Collaborative Testing Services, Inc.

Plastics Interlaboratory Testing Program

Web Summary Report #89, 1st Qtr 2014

Analysis	Analysis Name
704	Tensile Stress at Yield, Plastic Samples
705	Tensile Stress at Break, Plastic Samples
706	Percent Elongation at Yield, Plastic Samples
708	Modulus of Elasticity, Plastic Samples
730	Tensile Stress at Yield, ISO Plastic Samples
731	Tensile Stress at Break, ISO Plastic Samples
732	Percent Strain at Yield, ISO Plastic Samples
734	Modulus of Elasticity, ISO Plastic Samples
720	Flexural Modulus
721	Flexural Stress at 5% Strain
722	Flexural Stress at Yield
736	Flexural Modulus, ISO Plastic Samples
737	Flexural Stress at 3.5% Strain
738	Flexural Stress at Yield
790	Notched Izod Impact
792	Notched Charpy Impact, ISO Plastic Samples
710	Deflection Temp. Under Flexural Load (1.82 MPa)
711	Deflection Temp. Under Flexural Load (0.455 MPa)
712	Temp. of Deflection Under Flexural Load 1.80 MPa
715	Vicat Softening Temperature (Rate A)
716	Vicat Softening Temperature (Rate B)
750	Flow Rates of Thermoplastics (2.16 kg load)

Analysis	Analysis Name
718	Specific Gravity
755	Moisture Content of Plastics
757	Ash Content in Thermoplastics
770	Tensile Stress at Yield, Film Samples
771	Tensile Stress at Break, Film Samples
772	Percent Elongation at Yield, Film Samples
773	Percent Elongation at Break, Film Samples
774	Thickness of Film Tensile Samples
775	Secant Modulus at 1% Strain
776	Secant Modulus at 2% Strain
780	Coefficient of Friction: Static
781	Coefficient of Friction: Kinetic
782	Tear Resistance of Films
785	Optical Properties of Films - Percent Haze
786	Optical Properties of Films: % Transmittance
791	Notched Izod Impact (ISO)

About CTS and the Plastics Interlaboratory Program

Founded in 1971, Collaborative Testing Services, Inc. (CTS) is a privately-owned company that specializes in interlaboratory tests for a wide variety of industries, including rubber, plastics, fasteners and metals, containerboard, paper, color and wine, as well as proficiency tests for forensic laboratories. All of the tests are designed to assist organizations in achieving and maintaining quality control objectives. Labs from the U.S., as well as more than 80 countries currently participate in CTS programs.

Collaborative Testing Services initiated the Collaborative Reference Program for PLASTICS in 1992 at the request of industry, ASTM committee D-20 members, and accrediting bodies. Additional test methods are always under review and are incorporated into the program when possible.

The program allows laboratories to compare periodically the level and uniformity of their testing with that of other participating laboratories. It also provides a realistic assessment of the state of plastics testing proficiency.

For each test there is a summary of the statistics for the analysis and a graphical representation of the data. Also shown are notes concerning specific laboratory results, as well as significant findings related to instrument types or other testing variations. Refer to the KEY FOR SUMMARY REPORT for an explanation of terms and guidelines for interpreting the results.

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Key for Web Summary Report (Page 1 of 2)

WebCode — Assigned laboratory identification number (temporary) used to ensure lab confidentiality while permitting a lab to locate its data in the Plastics Web Summary Report published on the CTS web site. The WebCode for each analysis can be found in the Performance Analysis Report mailed to each participant.

Lab Mean — The average of the test results obtained by the participant.

Grand Mean — The average of the LAB MEANS for all included participants. Laboratories flagged with an X or an M (see DATA FLAG column) are excluded from the GRAND MEAN.

Difference from Grand Mean — The difference of the LAB MEAN from the GRAND MEAN.

Between-Lab Standard Deviation — An indication of the precision of measurement between the laboratories. The greater the spread of the LAB MEANS about the GRAND MEAN, the larger the BETWEEN-LAB STANDARD DEVIATION (and vice versa).

Comparative Performance Value — An indication of how well a laboratory's results agree with the other participants. The CPV is a ratio indicating the number of standard deviations from the GRAND MEAN. The closer a laboratory's COMPARATIVE PERFORMANCE VALUE is to zero, the more consistent its results are with the other participants' data (and vice versa). The critical value for each CPV will vary depending on the number of labs participating in a test.

Inst Code — A code indicating the manufacturer of the instrument used to perform the test (see separate INSTRUMENT CODE LIST for each test section) if instruments are tracked.

Data Flag — DATA FLAGS are assigned based on the simultaneous analysis of both samples tested. Refer to the following chart for an explanation of each symbol:

DATA FLAG	STATISTICALLY INCLUDED/EXCLUDED	ACTION REQUIRED
*	INCLUDED	**CAUTION** - review testing procedure and monitor future results. Results fall outside 95% ellipse but within a 99% ellipse that is calculated but not drawn.
X	EXCLUDED	**STOP** - immediate review of data and/or testing procedure is required. Results fall outside the 99% ellipse. See specific notes following each table for more information on why the data is excluded.
M	EXCLUDED	**PROCEED** - lab was unable to report data for at least one sample.

Graph - For each laboratory, the LAB MEAN for the first sample (x-axis) is plotted against the LAB MEAN for the second sample (y-axis) with each point representing a laboratory. The horizontal and vertical cross-hairs are the GRAND MEANS for each sample. When 20 or more laboratories are in the statistics, an ellipse is also drawn so that 95% of the time a randomly selected laboratory will be included inside the ellipse. Plotted data flags are explained above.

Common Problems Highlighted in Footnotes

1. ***Extreme data*** - The laboratory's results for one or both samples are so inconsistent with those of the other participants that the lab mean(s) fall outside the plot. The participant is advised to immediately review his data and/or testing procedure.

2. ***Systematic bias*** - The laboratory's results are either consistently high or low for both samples when compared to the other participants (the plotted point falls near the top or bottom of the ellipse). This indicates that the participant is performing the test with a constant bias. Causes of systematic errors include improper calibration, the particular make/model of equipment or a modification to the testing procedure.

3. ***Inconsistency in testing between samples/sample sets*** - The laboratory's results indicate that there are differences in the way the two samples tested (the plotted point falls to the side of the ellipse). This type of error may be attributed to the analyst deviating from the procedure when testing one of the samples or a material interaction occurrence with the instrument or room conditions. The inconsistency is reflected in the CPVs for the two samples, such as a +1.5 CPV for sample A and a -2.2 CPV for sample B. CTS also will specify if the laboratory's data for one sample are high/low compared to the other participants. If this inconsistency is slight, the lab's plotted point will be an * that falls on the edge of the ellipse.

4. ***Inconsistency in testing within a sample*** - The laboratory's within-lab standard deviation for a specified sample is high when compared to the other participants, often causing the lab's plotted point to fall outside of the ellipse.

Labs flagged with an * are not typically included in the footnotes of a data table. These labs may locate their position in the control ellipse and use the definitions above to help identify the type of testing error. An * should serve as a caution flag, a "yellow light", to a lab. If this error is repeated in future rounds, a lab may need to stop and review its testing procedures. The initial data flag is not cause for alarm. Interlaboratory tests conducted at regular intervals permit a lab to recognize trends in testing.

Results Summary for Web Summary Report #89

Plastics Interlaboratory Testing Program

Analysis 704 - Tensile Stress at Yield				
Material: ABS	Sample F17	7,220.51	psi	2.44% COV
	Sample F18	7,211.14	psi	2.37% COV
Analysis 705 - Tensile Stress at Break				
Material: ABS	Sample F17	5,185.11	psi	4.39% COV
	Sample F18	5,191.42	psi	4.37% COV
Analysis 706 - Percent Elongation at Yield				
Material: ABS	Sample F17	2.8041	Percent	3.74% COV
	Sample F18	2.7884	Percent	3.26% COV
Analysis 708 - Modulus of Elasticity				
Material: ABS	Sample F17	352.02	ksi	4.67% COV
	Sample F18	351.99	ksi	4.46% COV
Analysis 730 - Tensile Stress at Yield, ISO Method				
Material: ABS/PC	Sample C17	65.010	MPa	2.07% COV
	Sample C18	64.506	MPa	1.80% COV
Analysis 731 - Tensile Stress at Break, ISO Method				
Material: ABS/PC	Sample C17	47.619	MPa	2.80% COV
	Sample C18	47.544	MPa	3.05% COV
Analysis 732 - Strain at Yield, ISO Method				
Material: ABS/PC	Sample C17	3.6299	Percent	2.95% COV
	Sample C18	3.5644	Percent	3.11% COV
Analysis 734 - Modulus of Elasticity, ISO Method				
Material: ABS/PC	Sample C17	2,862.62	MPa	5.04% COV
	Sample C18	2,791.98	MPa	5.09% COV
Analysis 720 - Flexural Modulus				
Material: ABS/PC	Sample J17	420.27	ksi	3.82% COV
	Sample J18	420.71	ksi	3.72% COV
Analysis 721 - Flexural Stress at 5% Strain				
Material: ABS/PC	Sample J17	14,699.13	psi	3.52% COV
	Sample J18	14,733.76	psi	3.56% COV
Analysis 722 - Flexural Stress at Yield				
Material: ABS/PC	Sample J17	14,671.97	psi	3.08% COV
	Sample J18	14,707.25	psi	3.12% COV
Analysis 736 - Flexural Modulus				
Material: ABS/PC	Sample K17	2,845.87	MPa	3.86% COV
	Sample K18	2,817.16	MPa	3.34% COV
Analysis 737 - Flexural Stress at 3.5% Strain				
Material: ABS/PC	Sample K17	91.168	MPa	3.00% COV
	Sample K18	89.395	MPa	2.24% COV

Results Summary for Web Summary Report #89

Plastics Interlaboratory Testing Program

Analysis 738 - Flexural Stress at Yield				
Material: ABS/PC	Sample K17	99.648	MPa	2.01% COV
	Sample K18	97.638	MPa	1.59% COV
Analysis 790 - Notched Izod Impact				
Material: HIPS	Sample S17	2.9075	ft.lbf/in	6.33% COV
	Sample S18	2.9048	ft.lbf/in	6.31% COV
Analysis 792 - Notched Charpy Impact				
Material: ABS/PC	Sample M17	22.795	kJ/m^2	15.0% COV
	Sample M18	23.646	kJ/m^2	15.9% COV
Analysis 710 - Deflection Temp. Under Flexural Load (1.82 MPa)				
Material: ABS/PC	Sample E17	78.484	Degrees C	1.60% COV
	Sample E18	78.593	Degrees C	1.54% COV
Analysis 711 - Deflection Temp. Under Flexural Load (0.455 MPa)				
Material: PP	Sample G17	67.552	Degrees C	1.77% COV
	Sample G18	66.990	Degrees C	2.03% COV
Analysis 712 - Temperature of Deflection (1.80 MPa)				
Material: HIPS	Sample N17	83.649	Degrees C	1.42% COV
	Sample N18	83.563	Degrees C	1.43% COV
Analysis 715 - Vicat Temperature (Rate A)				
Material: ABS/PC	Sample H17	100.33	Degrees C	0.855% COV
	Sample H18	100.03	Degrees C	0.901% COV
Analysis 716 - Vicat Temperature (Rate B)				
Material: ABS/PC	Sample R17	102.46	Degrees C	0.741% COV
	Sample R18	102.13	Degrees C	0.743% COV
Analysis 750 - Flow Rate (190C or 230C/2.16 kg)				
Material: HDPE	Sample X17	6.2695	grams/10 mins	3.46% COV
	Sample X18	6.2783	grams/10 mins	3.22% COV
Analysis 718 - Specific Gravity				
Material: ABS/PC	Sample T17	1.1443	sp gr 23/23 C	0.182% COV
	Sample T18	1.1444	sp gr 23/23 C	0.155% COV
Analysis 757 - Ash Content				
Material: PBT	Sample L17	14.903	Percent	0.900% COV
	Sample L18	14.879	Percent	1.06% COV
Analysis 770 - Tensile Stress at Yield, Films				
Material: LDPE	Sample B17	1,598.65	psi	9.22% COV
	Sample B18	1,584.51	psi	9.14% COV
Analysis 771 - Tensile Stress at Break, Films				
Material: LDPE	Sample B17	3,050.26	psi	9.50% COV
	Sample B18	3,017.71	psi	10.4% COV

Results Summary for Web Summary Report #89

Plastics Interlaboratory Testing Program

Analysis 772 - Elongation at Yield, Films				
Material: LDPE	Sample B17	39.811	Percent	82.6% COV
	Sample B18	40.803	Percent	81.7% COV
Analysis 773 - Elongation at Break, Films				
Material: LDPE	Sample B17	770.88	Percent	18.3% COV
	Sample B18	762.32	Percent	18.0% COV
Analysis 774 - Thickness of Film Specimens				
Material: LDPE	Sample B17	4.0568	mils	1.53% COV
	Sample B18	3.9532	mils	2.08% COV
Analysis 775 - Secant Modulus at 1% Strain				
Material: LDPE	Sample B17	30,218.45	psi	11.3% COV
	Sample B18	29,820.42	psi	11.2% COV
Analysis 776 - Secant Modulus at 2% Strain				
Material: LDPE	Sample B17	25,881.46	psi	8.14% COV
	Sample B18	25,565.37	psi	7.87% COV
Analysis 780 - Static Friction				
Material: LDPE	Sample P17	0.18188	COF	22.3% COV
	Sample P18	0.16990	COF	21.3% COV
Analysis 781 - Kinetic Friction				
Material: LDPE	Sample P17	0.14274	COF	22.4% COV
	Sample P18	0.13425	COF	27.3% COV
Analysis 782 - Tear Resistance of Film				
Material: LDPE	Sample Q17	779.11	grams-force	10.2% COV
	Sample Q18	775.65	grams-force	11.7% COV
Analysis 785 - Percent Haze				
Material: LDPE	Sample D17	15.663	Percent	4.30% COV
	Sample D18	14.975	Percent	4.21% COV
Analysis 786 - Total Transmittance				
Material: LDPE	Sample D17	92.171	Percent	1.30% COV
	Sample D18	92.228	Percent	1.28% COV
Analysis 755 - Moisture Content				
Material: ABS	Sample Y17	0.19689	Percent	22.3% COV
	Sample Y18	0.18570	Percent	22.0% COV

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

WebCode	Data Flag	Sample F17 Lab Mean	Sample F17 Diff from Grand Mean	Sample F17 CPV	Sample F18 Lab Mean	Sample F18 Diff from Grand Mean	Sample F18 CPV
2HCHKT		7,263.0	42.5	0.24	7,261.1	50.0	0.29
2HNB4X		7,279.6	59.1	0.34	7,285.6	74.5	0.44
443ALC	X	6,606.4	-614.1	-3.48	6,534.8	-676.3	-3.96
4QG7NR		7,191.0	-29.5	-0.17	7,164.0	-47.1	-0.28
4TVPNF		7,434.8	214.3	1.22	7,402.2	191.1	1.12
67DFVL		7,387.7	167.2	0.95	7,336.7	125.5	0.73
6UXZVJ		7,137.1	-83.4	-0.47	7,080.2	-130.9	-0.77
7MAV9D		7,197.0	-23.5	-0.13	7,282.4	71.3	0.42
7MUG44		7,136.2	-84.3	-0.48	7,133.8	-77.3	-0.45
7RGX66		7,210.0	-10.5	-0.06	7,251.8	40.7	0.24
89QAVY		7,181.6	-38.9	-0.22	7,127.4	-83.7	-0.49
8FWK7G		7,117.2	-103.3	-0.59	7,027.4	-183.7	-1.08
8MZHU3		7,365.8	145.3	0.82	7,280.6	69.5	0.41
9VHZEX		7,334.0	113.5	0.64	7,232.8	21.7	0.13
A3AEJD		7,096.6	-123.9	-0.70	7,097.8	-113.3	-0.66
ANJTKZ		7,076.5	-144.1	-0.82	7,148.4	-62.7	-0.37
B73ALV		7,165.6	-54.9	-0.31	7,160.8	-50.3	-0.29
C9YEFV		7,380.0	159.5	0.91	7,382.6	171.5	1.00
CHQE4W	*	6,992.4	-228.1	-1.29	7,164.2	-46.9	-0.27
CUQCB6		7,159.7	-60.8	-0.35	7,163.5	-47.7	-0.28
CY8NFM		7,228.2	7.7	0.04	7,274.0	62.9	0.37
EC86BR		6,969.8	-250.7	-1.42	7,022.8	-188.3	-1.10
EPZLMG		6,894.8	-325.7	-1.85	6,949.0	-262.1	-1.53
EQA4ED		7,010.4	-210.1	-1.19	6,955.0	-256.1	-1.50
ERUK9M	X	104,971.6	97,751.1	554.69	104,810.6	97,599.5	571.29
F9ME4T		7,224.4	3.9	0.02	7,248.4	37.3	0.22
FQ6GP9		7,261.8	41.3	0.23	7,227.0	15.9	0.09
FTV2MZ		7,597.4	376.9	2.14	7,606.6	395.5	2.31
GMP26M		7,363.0	142.5	0.81	7,365.6	154.5	0.90
H9CK3V		7,052.4	-168.1	-0.95	7,012.6	-198.5	-1.16
HA9U2B	X	7,820.8	600.3	3.41	7,816.2	605.0	3.54
HBANCW		6,921.0	-299.5	-1.70	6,939.2	-271.9	-1.59

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

WebCode	Data Flag	Sample F17 Lab Mean	Sample F17 Diff from Grand Mean	Sample F17 CPV	Sample F18 Lab Mean	Sample F18 Diff from Grand Mean	Sample F18 CPV
J3CDHC		7,191.4	-29.1	-0.17	7,201.0	-10.1	-0.06
JHMMYY		7,320.6	100.1	0.57	7,299.8	88.7	0.52
JHQZ7U		7,354.1	133.5	0.76	7,314.9	103.8	0.61
JXVXMW		7,249.4	28.9	0.16	7,245.0	33.9	0.20
KBTQFM		7,074.1	-146.4	-0.83	7,006.5	-204.6	-1.20
KVW4PK	*	7,611.2	390.7	2.22	7,677.0	465.9	2.73
L6MCBX		7,207.8	-12.7	-0.07	7,200.7	-10.4	-0.06
L8KXNC		7,210.8	-9.7	-0.06	7,298.2	87.1	0.51
LD9KBQ		7,287.8	67.3	0.38	7,230.8	19.7	0.12
LT3L4V		7,382.6	162.1	0.92	7,348.6	137.5	0.80
MKFELP		7,344.6	124.1	0.70	7,244.4	33.3	0.19
N8LP4P	X	7,719.0	498.5	2.83	7,472.4	261.3	1.53
NE9ZR2		7,562.8	342.3	1.94	7,467.4	256.3	1.50
QF46G8		7,134.0	-86.5	-0.49	7,009.6	-201.5	-1.18
QR47HT		7,234.5	14.0	0.08	7,246.1	35.0	0.20
R729FV		7,230.0	9.5	0.05	7,217.6	6.5	0.04
RVAYD3	*	7,216.4	-4.1	-0.02	7,387.4	176.3	1.03
TR6HLQ		7,202.6	-17.9	-0.10	7,172.4	-38.7	-0.23
TRDY67		7,025.1	-195.4	-1.11	7,088.3	-122.9	-0.72
TRUTN6		6,810.2	-410.3	-2.33	6,792.0	-419.1	-2.45
U8RE48		7,433.8	213.3	1.21	7,325.4	114.3	0.67
UAEVXN		7,398.3	177.8	1.01	7,295.8	84.6	0.50
UK42WU		7,419.4	198.9	1.13	7,391.8	180.7	1.06
UUCUZB		7,238.8	18.3	0.10	7,180.8	-30.3	-0.18
VBGJT2		7,622.0	401.5	2.28	7,594.0	382.9	2.24
VEKTZ6		7,290.8	70.3	0.40	7,302.1	91.0	0.53
W33YAA		7,154.8	-65.7	-0.37	7,160.9	-50.3	-0.29
WWK6H3		7,250.0	29.5	0.17	7,264.0	52.9	0.31
XF2DHH	*	6,766.8	-453.7	-2.57	6,746.0	-465.1	-2.72
XVG4FK		7,063.2	-157.3	-0.89	7,122.6	-88.5	-0.52
ZHYHFN		7,199.4	-21.1	-0.12	7,175.0	-36.1	-0.21
ZKGEDY		7,170.1	-50.4	-0.29	7,192.8	-18.4	-0.11

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

WebCode	Data Flag	Sample F17 Lab Mean	Sample F17 Diff from Grand Mean	Sample F17 CPV	Sample F18 Lab Mean	Sample F18 Diff from Grand Mean	Sample F18 CPV
ZURJRZ		7,164.8	-55.7	-0.32	7,097.0	-114.1	-0.67

Summary Statistics

	Sample F17	Sample F18
Grand Means	7,220.51 psi	7,211.14 psi
Stnd Dev Btwn Labs	176.23 psi	170.84 psi

Statistics based on 61 of 65 reporting participants

Sample F17: ABS & Sample F18: ABS

Comments on assigned Data Flags for Test #704

443ALC (X) - Data for both samples are low.

ERUK9M (X) - Extremely high data for all samples. It appears that the data were off by a factor of 10.

HA9U2B (X) - Data for both samples are high. Possible systematic error.

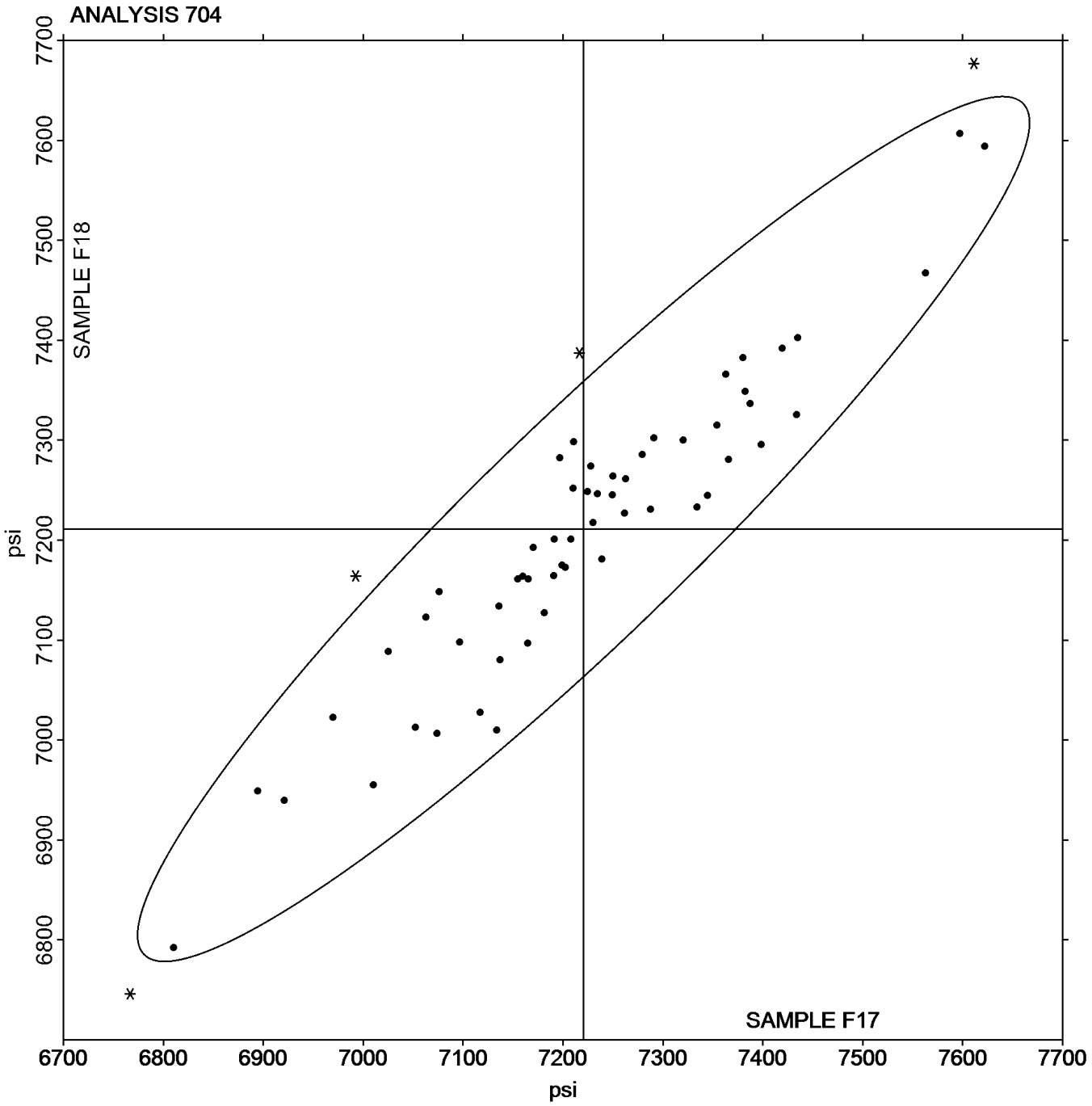
N8LP4P (X) - Inconsistent in testing between samples, data for Sample F17 are high. Also Inconsistent in testing within both samples.

Plastics Interlaboratory Testing Program

Analysis 704

Tensile Stress at Yield - psi

Grand Mean Sample F17: 7,220.51 psi Grand Mean Sample F18: 7,211.14 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

WebCode	Data Flag	Sample F17 Lab Mean	Sample F17 Diff from Grand Mean	Sample F17 CPV	Sample F18 Lab Mean	Sample F18 Diff from Grand Mean	Sample F18 CPV
226XZ7		5,540.2	355.1	1.56	5,587.8	396.4	1.75
2CWALZ		4,989.1	-196.1	-0.86	5,016.3	-175.1	-0.77
2RLRFF		4,694.0	-491.1	-2.16	4,813.6	-377.8	-1.66
3KLGFQ		5,047.2	-137.9	-0.61	5,042.4	-149.0	-0.66
4JKX8D		5,667.4	482.3	2.12	5,545.2	353.8	1.56
4YAKCG		5,192.2	7.1	0.03	5,293.4	102.0	0.45
4Z8UJ7		4,995.2	-189.9	-0.83	5,045.3	-146.1	-0.64
6C4MQV		5,468.8	283.7	1.25	5,436.6	245.2	1.08
793TM3		5,356.2	171.1	0.75	5,329.6	138.2	0.61
7BME2T		5,149.2	-35.9	-0.16	5,052.9	-138.5	-0.61
8FPHWA		5,248.2	63.1	0.28	5,100.8	-90.6	-0.40
8QWKRH		5,137.8	-47.3	-0.21	5,109.6	-81.9	-0.36
8T3XHV		5,378.8	193.7	0.85	5,297.8	106.4	0.47
8YCC7J		5,480.0	294.9	1.30	5,611.8	420.4	1.85
9A48U4		5,173.0	-12.1	-0.05	5,087.4	-104.0	-0.46
9RRA3P	X	6,383.8	1,198.7	5.27	5,313.6	122.2	0.54
9Z3UW3		4,708.0	-477.1	-2.10	4,916.4	-275.0	-1.21
AJ99F4		5,223.6	38.5	0.17	5,221.0	29.6	0.13
ALZP3V		5,350.2	165.1	0.73	5,322.0	130.6	0.57
BKWZ6F		4,910.2	-274.9	-1.21	4,722.6	-468.8	-2.06
BWY6LR		4,938.2	-246.9	-1.09	5,010.0	-181.4	-0.80
C4TYCM		5,290.0	104.9	0.46	5,214.0	22.6	0.10
C769PW		5,354.3	169.1	0.74	5,312.8	121.4	0.53
CGKLP9	X	4,643.6	-541.5	-2.38	5,041.2	-150.2	-0.66
CQRFQZ		5,148.8	-36.3	-0.16	5,304.2	112.8	0.50
CWKFJG	X	7,215.1	2,030.0	8.92	6,983.0	1,791.6	7.89
DJQX4T		5,117.4	-67.7	-0.30	5,002.8	-188.6	-0.83
DKK3MN		4,865.0	-320.1	-1.41	4,855.8	-335.6	-1.48
DWV2KF		5,546.3	361.2	1.59	5,586.0	394.6	1.74
DXUE3B		5,151.4	-33.7	-0.15	5,144.4	-47.0	-0.21
E63WMA	*	5,471.2	286.1	1.26	5,727.8	536.4	2.36
F2RU4B		4,935.6	-249.5	-1.10	4,922.6	-268.8	-1.18

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

WebCode	Data Flag	Sample F17 Lab Mean	Sample F17 Diff from Grand Mean	Sample F17 CPV	Sample F18 Lab Mean	Sample F18 Diff from Grand Mean	Sample F18 CPV
FLWZFY		5,236.4	51.3	0.23	5,193.0	1.6	0.01
GVRN9X		4,947.6	-237.5	-1.04	5,058.4	-133.0	-0.59
HFELFH		5,092.5	-92.6	-0.41	5,109.6	-81.8	-0.36
JLE2BJ		5,488.3	303.2	1.33	5,296.8	105.4	0.46
JZEA9F	X	6,356.1	1,171.0	5.15	6,188.4	997.0	4.39
L2GVXA		5,222.2	37.1	0.16	5,166.1	-25.3	-0.11
L6Z4TX		5,147.1	-38.0	-0.17	5,202.0	10.6	0.05
MUUNEC	*	5,031.4	-153.7	-0.68	5,324.4	133.0	0.59
P8Z6QZ		5,226.0	40.9	0.18	5,317.0	125.6	0.55
PAJDQZ		5,143.0	-42.1	-0.18	5,086.1	-105.3	-0.46
PTGD7V		4,919.7	-265.4	-1.17	5,082.2	-109.3	-0.48
QNRL2C		5,316.9	131.8	0.58	5,296.3	104.9	0.46
TRBVBJ		5,062.0	-123.1	-0.54	5,005.4	-186.0	-0.82
UUJ6HE		4,991.2	-193.9	-0.85	5,002.6	-188.8	-0.83
UWDTBN		4,878.6	-306.5	-1.35	4,835.8	-355.6	-1.57
V2YCDP		5,289.0	103.8	0.46	5,205.1	13.7	0.06
VFV6UP	*	5,858.4	673.3	2.96	5,778.8	587.4	2.59
VGAX2P		5,213.3	28.2	0.12	5,125.7	-65.7	-0.29
VZ4BCV	X	3,445.8	-1,739.3	-7.65	3,444.4	-1,747.0	-7.69
WCC9WE		5,366.4	181.3	0.80	5,321.4	130.0	0.57
WUHMEL		5,280.8	95.7	0.42	5,242.6	51.2	0.23
WUYNLZ		5,170.0	-15.1	-0.07	5,384.0	192.6	0.85
WVF7XB		5,009.4	-175.8	-0.77	5,066.5	-124.9	-0.55
WXRW8B		5,060.7	-124.4	-0.55	5,136.0	-55.4	-0.24
X2M9EA		5,005.6	-179.5	-0.79	4,794.2	-397.2	-1.75
Y8NJE3		5,099.6	-85.5	-0.38	5,246.2	54.8	0.24
YCKFWC		5,300.9	115.8	0.51	5,376.3	184.9	0.81
ZFKHAY		5,297.0	111.9	0.49	5,242.6	51.2	0.23

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

Summary Statistics

Grand Means				
	5,185.11	psi	5,191.42	psi
Stnd Dev Btwn Labs				
	227.50	psi	227.10	psi

Statistics based on 55 of 60 reporting participants

Sample F17: ABS & Sample F18: ABS

Comments on assigned Data Flags for Test #705

9RRA3P (X) - Inconsistent in testing between samples, data for Sample F17 are high. Also Inconsistent in testing within Sample F17.

CGKLP9 (X) - Inconsistent in testing between samples and inconsistent in testing within Sample F17.

CWKFJG (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

JZEA9F (X) - Data for both samples are high.

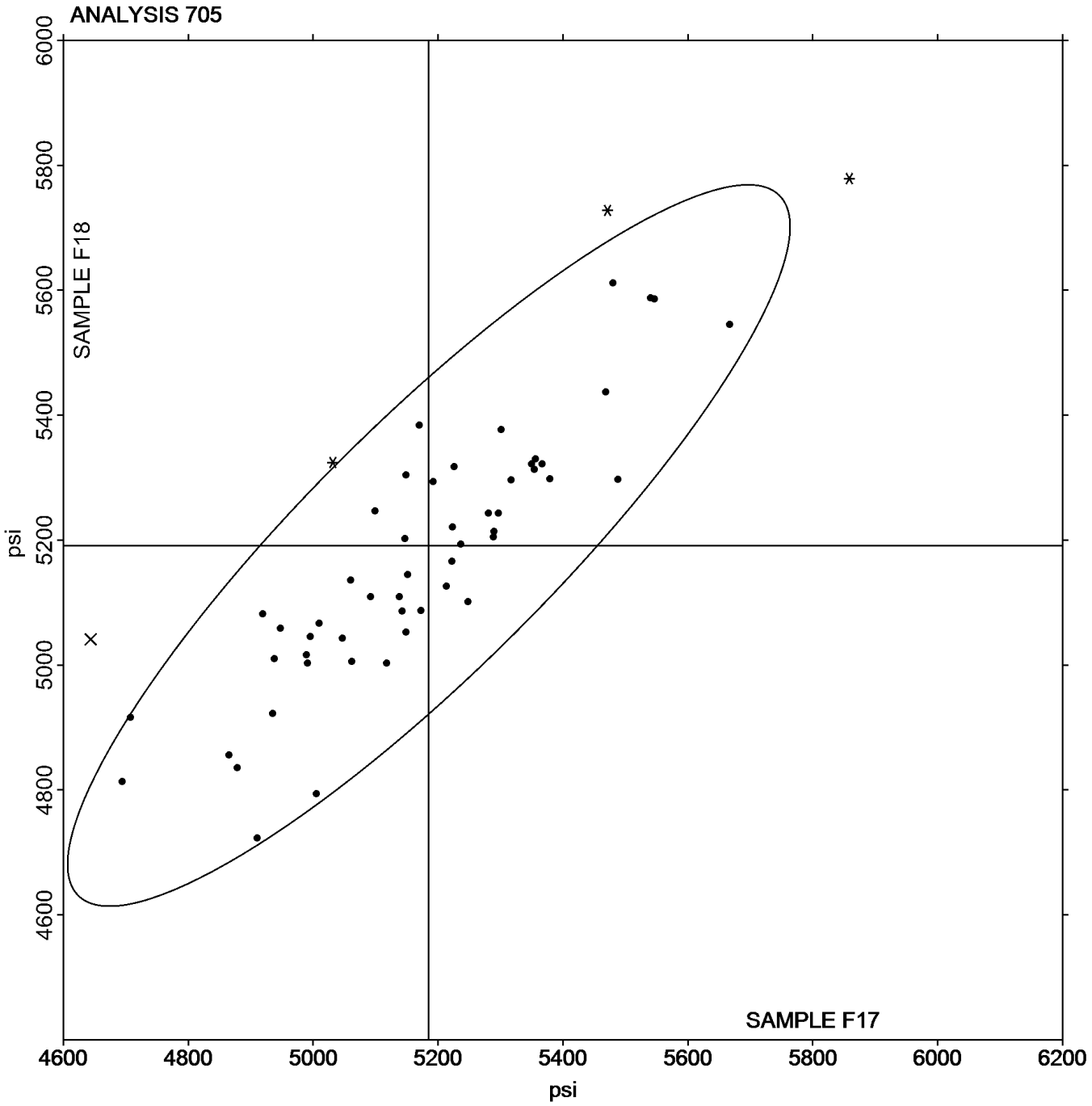
VZ4BCV (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program

Analysis 705

Tensile Stress at Break - psi

Grand Mean Sample F17: 5,185.11 psi Grand Mean Sample F18: 5,191.42 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

WebCode	Data Flag	Sample F17 Lab Mean	Sample F17 Diff from Grand Mean	Sample F17 CPV	Sample F18 Lab Mean	Sample F18 Diff from Grand Mean	Sample F18 CPV
28DURB		2.918	0.114	1.09	2.932	0.144	1.58
2D4B66		2.950	0.146	1.39	2.888	0.100	1.10
2PKRFH		2.654	-0.150	-1.43	2.674	-0.114	-1.26
32Z6BX		2.884	0.080	0.76	2.870	0.082	0.90
3DY7CJ		2.688	-0.116	-1.11	2.686	-0.102	-1.13
3H2VFW		2.738	-0.066	-0.63	2.756	-0.032	-0.36
6C84WG	X	4.000	1.196	11.42	3.200	0.412	4.53
766AK6		2.714	-0.090	-0.86	2.676	-0.112	-1.24
79J7NL		2.674	-0.130	-1.24	2.678	-0.110	-1.21
7F8JDF		2.800	-0.004	-0.04	2.800	0.012	0.13
7HG2HJ		2.800	-0.004	-0.04	2.797	0.008	0.09
8UACTJ		2.820	0.016	0.15	2.802	0.014	0.15
8XFNU7	X	2.602	-0.202	-1.93	2.838	0.050	0.55
9RLD3R		2.662	-0.142	-1.36	2.680	-0.108	-1.19
9V42JR		2.846	0.042	0.40	2.824	0.036	0.39
AHF6BT		2.820	0.016	0.15	2.784	-0.004	-0.05
ANDKBG		2.836	0.032	0.30	2.826	0.038	0.41
AVUQPA		2.708	-0.096	-0.92	2.688	-0.100	-1.10
B82YTX	X	2.188	-0.616	-5.88	2.268	-0.520	-5.73
BQJBC2		2.858	0.054	0.51	2.854	0.066	0.72
C8B8MW		2.840	0.036	0.34	2.830	0.042	0.46
DDW4MQ		2.778	-0.026	-0.25	2.804	0.016	0.17
DFTBVW		2.722	-0.082	-0.78	2.678	-0.110	-1.21
DNGH2G		2.854	0.050	0.48	2.846	0.058	0.63
DUUPQ6		2.926	0.122	1.16	2.878	0.090	0.99
DZZNC9	X	5.940	3.136	29.93	6.192	3.404	37.45
EDHEKF		2.757	-0.047	-0.45	2.743	-0.045	-0.50
GA2A76		2.832	0.028	0.27	2.842	0.054	0.59
HFDWYR		2.778	-0.026	-0.25	2.744	-0.044	-0.49
JA8HV3		2.858	0.054	0.51	2.820	0.032	0.35
JCPNAW		2.846	0.042	0.40	2.856	0.068	0.74
KPBJZN	X	12.170	9.366	89.40	12.416	9.628	105.94

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

WebCode	Data Flag	Sample F17 Lab Mean	Sample F17 Diff from Grand Mean	Sample F17 CPV	Sample F18 Lab Mean	Sample F18 Diff from Grand Mean	Sample F18 CPV
KVHFUZ		2.780	-0.024	-0.23	2.782	-0.006	-0.07
L3CZBH	X	3.322	0.518	4.94	3.442	0.654	7.19
LE3TGC	*	2.500	-0.304	-2.90	2.540	-0.248	-2.73
MKD6KF		2.794	-0.010	-0.10	2.812	0.024	0.26
N38QCB		2.795	-0.009	-0.09	2.791	0.002	0.02
NEX3TP	X	5.362	2.558	24.42	5.302	2.514	27.66
NR6GRU		2.732	-0.072	-0.69	2.736	-0.052	-0.58
P2AVDC		2.680	-0.124	-1.19	2.721	-0.068	-0.74
PK3NAC	*	2.910	0.106	1.01	2.948	0.160	1.76
Q8AMXA		2.974	0.170	1.62	2.872	0.084	0.92
QTW3NH		2.866	0.062	0.59	2.788	0.000	0.00
QWQN6V	X	7.340	4.536	43.30	7.306	4.518	49.71
T464A2		2.694	-0.110	-1.05	2.714	-0.074	-0.82
TMUHAP	X	2.864	0.060	0.57	2.954	0.166	1.82
UZNQ7X		2.948	0.144	1.37	2.884	0.096	1.05
VBGJT2		2.692	-0.112	-1.07	2.692	-0.096	-1.06
WBH4JD	*	3.132	0.328	3.13	3.060	0.272	2.99
WFHR74		2.872	0.068	0.65	2.866	0.078	0.85
WRVENT		2.790	-0.014	-0.13	2.796	0.008	0.08
XLXCJV		2.772	-0.032	-0.31	2.692	-0.096	-1.06
XY9BNF		2.776	-0.028	-0.27	2.786	-0.002	-0.03
YT2XL4		2.844	0.040	0.38	2.800	0.012	0.13
ZNG4PC		2.780	-0.024	-0.23	2.692	-0.096	-1.06
ZXKTAG		2.900	0.096	0.92	2.826	0.038	0.41

Summary Statistics

	Sample F17	Sample F18
Grand Means	2.8041 Percent	2.7884 Percent
Stnd Dev Btwn Labs	0.1048 Percent	0.0909 Percent

Statistics based on 47 of 56 reporting participants

Sample F17: ABS & Sample F18: ABS

Plastics Interlaboratory Testing Program
Analysis 706
Percent Elongation at Yield - Percent

Comments on assigned Data Flags for Test #706

6C84WG (X) - Data for both samples are high. Also Inconsistent in testing within Sample F18.

8XFNU7 (X) - Inconsistent in testing between samples and inconsistent in testing within Sample F18.

B82YTX (X) - Data for both samples are low. Also Inconsistent in testing within Sample F17.

DZZNC9 (X) - Data for both samples are high. Also Inconsistent in testing within Sample F18.

KPBJZN (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

L3CZBH (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

NEX3TP (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

QWQN6V (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

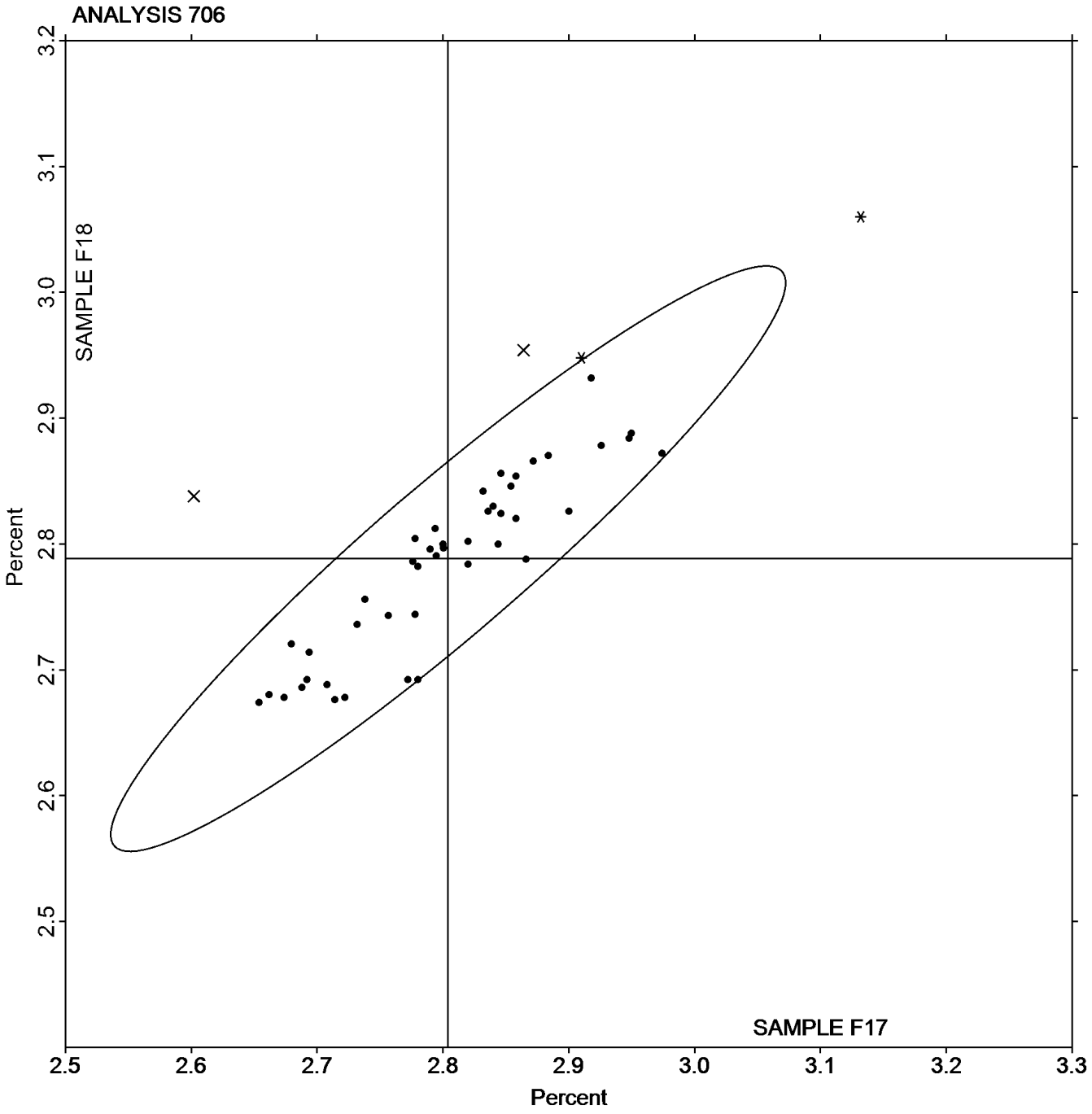
TMUHAP (X) - Inconsistent in testing between samples and inconsistent in testing within Sample F17.

Plastics Interlaboratory Testing Program

Analysis 706

Percent Elongation at Yield - Percent

Grand Mean Sample F17: 2.8041 Percent Grand Mean Sample F18: 2.7884 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

WebCode	Data Flag	Sample F17 Lab Mean	Sample F17 Diff from Grand Mean	Sample F17 CPV	Sample F18 Lab Mean	Sample F18 Diff from Grand Mean	Sample F18 CPV
299WKJ		352.24	0.21	0.01	346.78	-5.22	-0.33
3AVQQ2		349.02	-3.00	-0.18	349.74	-2.25	-0.14
3HLDGW		369.94	17.92	1.09	366.84	14.85	0.95
3LJZ4R		336.78	-15.24	-0.93	335.38	-16.61	-1.06
3N73QH		344.80	-7.22	-0.44	348.00	-3.99	-0.25
62FKMV		349.17	-2.86	-0.17	346.41	-5.58	-0.36
7G6YNV	*	334.56	-17.46	-1.06	349.08	-2.91	-0.19
7RYRTD		351.21	-0.81	-0.05	349.39	-2.61	-0.17
87CLJU		347.02	-5.00	-0.30	345.10	-6.89	-0.44
8ACDM7		372.22	20.20	1.23	368.04	16.05	1.02
AEZ62Z		355.62	3.60	0.22	352.24	0.25	0.02
APJNJR		337.70	-14.32	-0.87	339.70	-12.29	-0.78
ATTZXZ		366.11	14.09	0.86	373.29	21.29	1.36
BEQATT		322.92	-29.10	-1.77	324.30	-27.69	-1.76
BZKW67		352.17	0.15	0.01	351.24	-0.76	-0.05
D6NKH4		353.76	1.74	0.11	349.54	-2.46	-0.16
DZZTLE		347.90	-4.13	-0.25	353.40	1.41	0.09
EAMN9R		327.15	-24.87	-1.51	331.18	-20.81	-1.33
EXRBFQ		355.78	3.76	0.23	352.79	0.80	0.05
FD9928		358.15	6.13	0.37	351.66	-0.34	-0.02
FEXWPN		350.32	-1.70	-0.10	356.10	4.11	0.26
FREL3W		359.82	7.80	0.47	366.72	14.73	0.94
GBDEMD		357.64	5.62	0.34	356.24	4.25	0.27
GPAP8U		329.14	-22.88	-1.39	329.54	-22.45	-1.43
HNM9A4		350.04	-1.99	-0.12	351.92	-0.07	0.00
JNKV79		357.00	4.98	0.30	358.60	6.61	0.42
KJBCZR		368.04	16.02	0.97	375.52	23.53	1.50
LFJ98N		350.79	-1.23	-0.07	354.50	2.51	0.16
MYPAJ9		353.14	1.12	0.07	357.03	5.03	0.32
P386ML		338.93	-13.10	-0.80	339.55	-12.44	-0.79
P8HJAQ	*	337.62	-14.40	-0.88	327.72	-24.27	-1.55
P8W6L2		347.60	-4.42	-0.27	346.90	-5.09	-0.32

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

WebCode	Data Flag	Sample F17 Lab Mean	Sample F17 Diff from Grand Mean	Sample F17 CPV	Sample F18 Lab Mean	Sample F18 Diff from Grand Mean	Sample F18 CPV
PU929M	X	625.17	273.15	16.62	604.64	252.65	16.09
QMMZLJ	X	622.73	270.71	16.47	656.89	304.90	19.41
QRZ79V		356.82	4.80	0.29	356.76	4.77	0.30
QWEG3M		318.86	-33.17	-2.02	316.79	-35.21	-2.24
R36YPA		388.66	36.64	2.23	389.74	37.75	2.40
RZTYX3	*	387.83	35.81	2.18	373.88	21.89	1.39
TC2KPX		346.40	-5.62	-0.34	351.60	-0.39	-0.03
TCW4NA		341.61	-10.42	-0.63	340.15	-11.85	-0.75
U3EJBK		350.08	-1.94	-0.12	355.30	3.30	0.21
U7DYQ9		369.15	17.13	1.04	368.66	16.67	1.06
VBGJT2		374.54	22.52	1.37	369.34	17.35	1.10
VL34AZ		371.21	19.18	1.17	364.57	12.57	0.80
VNN2LT	*	396.73	44.71	2.72	394.52	42.52	2.71
X8W89N		363.11	11.09	0.67	358.73	6.73	0.43
YKME26		353.42	1.40	0.09	353.02	1.03	0.07
YP4Z8A		334.52	-17.50	-1.06	334.96	-17.03	-1.08
YW3HKL		347.10	-4.92	-0.30	347.92	-4.07	-0.26
Z97GLM		326.98	-25.04	-1.52	326.98	-25.01	-1.59
ZREHGA		337.79	-14.24	-0.87	340.39	-11.60	-0.74

Summary Statistics

	Sample F17	Sample F18
Grand Means	352.022 ksi	351.994 ksi
Stnd Dev Btwn Labs	16.435 ksi	15.706 ksi

Statistics based on 49 of 51 reporting participants

Sample F17: ABS & Sample F18: ABS

Comments on assigned Data Flags for Test #708

PU929M (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

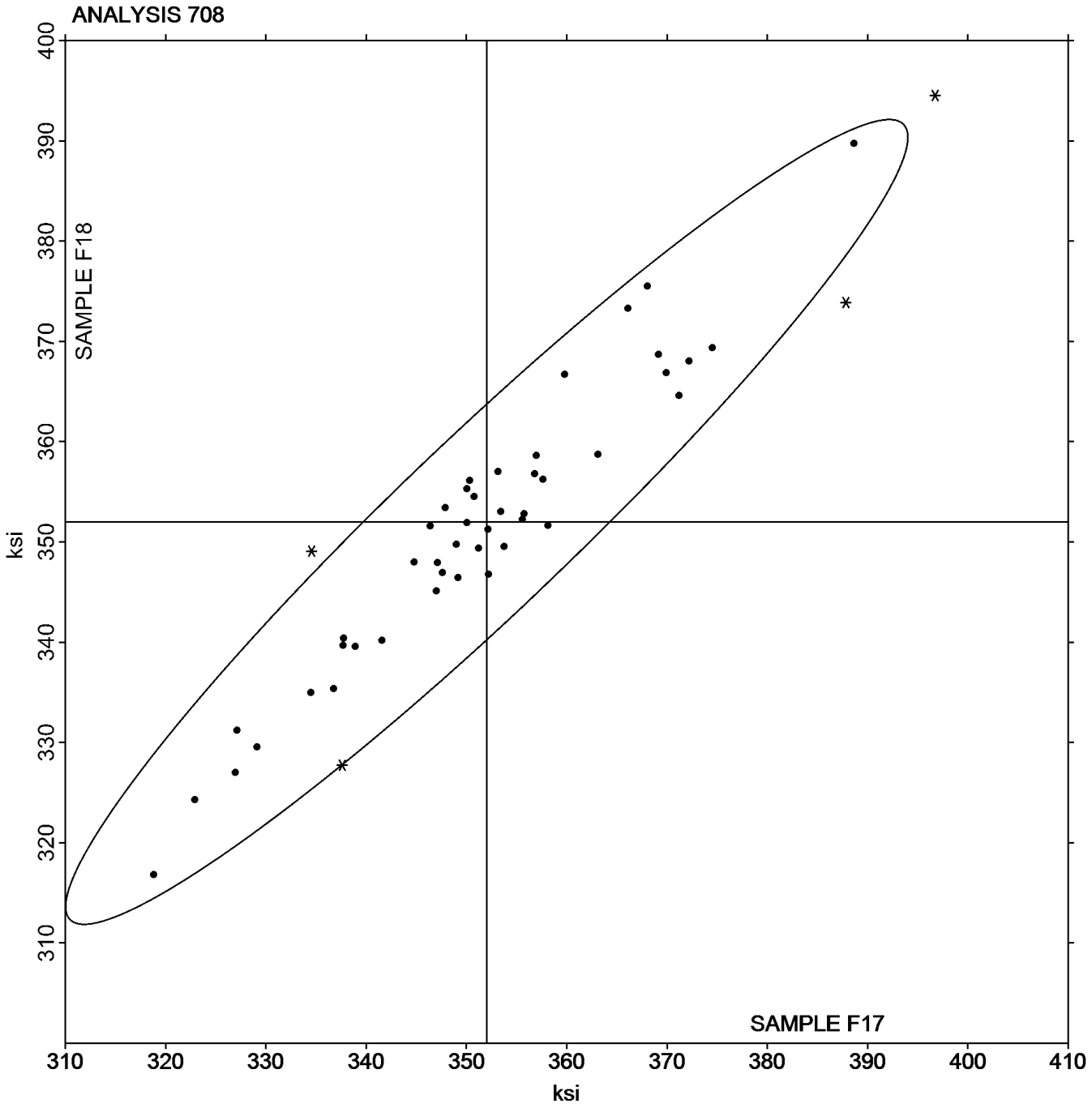
QMMZLJ (X) - Data for both samples are high.

Plastics Interlaboratory Testing Program

Analysis 708

Modulus of Elasticity - ksi

Grand Mean Sample F17: 352.02 ksi Grand Mean Sample F18: 351.99 ksi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

WebCode	Data Flag	Sample C17 Lab Mean	Sample C17 Diff from Grand Mean	Sample C17 CPV	Sample C18 Lab Mean	Sample C18 Diff from Grand Mean	Sample C18 CPV
26YYPP		64.89	-0.12	-0.09	64.94	0.43	0.37
2FN3EQ		66.72	1.71	1.27	65.18	0.67	0.58
2L2BVG		65.44	0.43	0.32	64.87	0.36	0.31
3L7HVL		66.33	1.32	0.98	65.50	0.99	0.85
3WQ6H7		61.97	-3.04	-2.26	61.86	-2.64	-2.28
6EVHLV		64.04	-0.97	-0.72	64.70	0.19	0.17
7P67QZ		63.62	-1.39	-1.03	64.73	0.22	0.19
7R9WTX		65.29	0.28	0.21	64.53	0.02	0.02
8NLPXA		66.78	1.77	1.32	65.32	0.81	0.70
8VGUFT		65.79	0.78	0.58	64.91	0.41	0.35
9G7VLG		64.01	-1.00	-0.74	64.33	-0.18	-0.15
9GGUH4		65.92	0.91	0.68	65.12	0.61	0.53
AAJDQW		63.23	-1.78	-1.32	63.65	-0.85	-0.73
BMMMWN		65.93	0.92	0.68	66.22	1.71	1.48
CG62V3		65.65	0.64	0.48	64.72	0.21	0.18
ERM3YY		67.09	2.08	1.55	66.52	2.01	1.73
F94GL4		64.66	-0.35	-0.26	63.20	-1.30	-1.12
FYR9DU		64.57	-0.44	-0.33	64.17	-0.33	-0.29
H37EEX		64.66	-0.35	-0.26	64.67	0.17	0.15
H922HJ		64.61	-0.40	-0.30	64.27	-0.23	-0.20
HFP9DM		63.79	-1.22	-0.91	62.41	-2.10	-1.81
HJ2LY6		65.00	-0.01	-0.01	65.09	0.59	0.51
HJUQPC		64.16	-0.85	-0.63	63.68	-0.83	-0.71
JKN8MA		67.91	2.90	2.16	66.16	1.66	1.43
JWBL8E		66.13	1.12	0.83	65.19	0.69	0.59
JZULT7		62.81	-2.20	-1.64	62.23	-2.27	-1.96
K2AAP2		64.98	-0.03	-0.02	63.98	-0.53	-0.45
K6RDUH		64.23	-0.78	-0.58	63.79	-0.71	-0.61
KEQREC		64.77	-0.24	-0.18	64.33	-0.18	-0.16
KVKMYR		65.13	0.12	0.09	63.63	-0.88	-0.76
LAL4T6		67.68	2.67	1.99	66.76	2.25	1.94
MCK8ZE		63.32	-1.69	-1.26	64.14	-0.37	-0.32

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

WebCode	Data Flag	Sample C17 Lab Mean	Sample C17 Diff from Grand Mean	Sample C17 CPV	Sample C18 Lab Mean	Sample C18 Diff from Grand Mean	Sample C18 CPV
NMQAGQ		65.19	0.18	0.13	65.30	0.79	0.69
NQJNAD		64.03	-0.98	-0.73	63.02	-1.48	-1.28
NR6GVE		66.45	1.44	1.07	65.30	0.79	0.68
PJCKRA		65.68	0.67	0.50	65.06	0.55	0.48
QEKW8D		64.36	-0.65	-0.48	64.88	0.37	0.32
QZLUQ7		65.22	0.21	0.15	65.41	0.91	0.78
RGMQCV		65.85	0.84	0.63	66.42	1.92	1.65
RN73K2	*	62.51	-2.50	-1.86	64.32	-0.19	-0.16
RWENDQ		65.26	0.25	0.18	64.07	-0.43	-0.37
TDNBFY		65.55	0.54	0.40	64.71	0.21	0.18
U8CAQT		65.73	0.72	0.53	65.55	1.05	0.90
V9ZGHW		62.21	-2.80	-2.08	63.05	-1.45	-1.25
VCUH3Y		66.00	0.99	0.74	65.28	0.77	0.67
VTBC63		66.47	1.46	1.09	64.60	0.09	0.08
W3YG86		65.45	0.44	0.33	64.70	0.19	0.17
WCU3C2		63.37	-1.64	-1.22	62.53	-1.98	-1.71
X3DAE7		65.65	0.64	0.48	65.03	0.53	0.45
X62ZB4		65.30	0.29	0.22	64.56	0.05	0.05
X8Q2KX		62.54	-2.47	-1.84	61.60	-2.90	-2.50
XFBMWU		66.72	1.71	1.27	66.32	1.81	1.56
XH34E9		64.97	-0.04	-0.03	64.85	0.35	0.30
XQE32L		66.35	1.34	0.99	65.15	0.64	0.55
YMFKNE		63.84	-1.17	-0.87	62.74	-1.77	-1.52
YMJ933		66.57	1.56	1.16	65.56	1.05	0.91
ZQNRGE		63.37	-1.64	-1.22	63.21	-1.29	-1.11
ZX7BR2		64.84	-0.17	-0.13	63.29	-1.21	-1.05

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

Summary Statistics

Grand Means		
	65.010 MPa	64.506 MPa
Stnd Dev Btwn Labs		
	1.343 MPa	1.159 MPa

Statistics based on 58 of 58 reporting participants

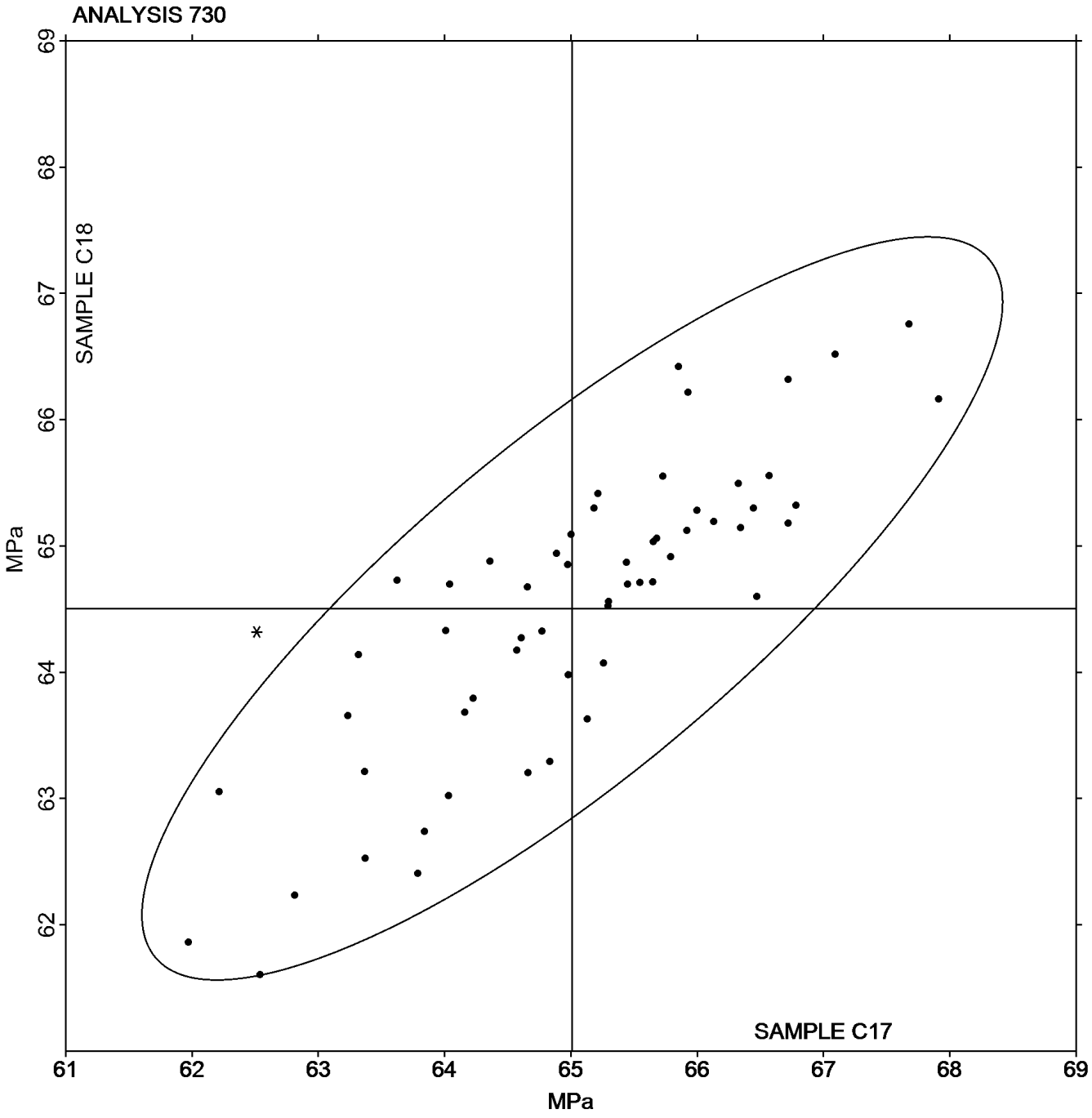
Sample C17: ABS/PC & Sample C18: ABS/PC

Plastics Interlaboratory Testing Program

Analysis 730

Tensile Stress at Yield - MPa

Grand Mean Sample C17: 65.010 MPa Grand Mean Sample C18: 64.506 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

WebCode	Data Flag	Sample C17 Lab Mean	Sample C17 Diff from Grand Mean	Sample C17 CPV	Sample C18 Lab Mean	Sample C18 Diff from Grand Mean	Sample C18 CPV
24G842		47.93	0.31	0.23	49.36	1.82	1.25
2984MD		48.04	0.42	0.31	47.66	0.11	0.08
43GUMG		46.75	-0.87	-0.65	46.41	-1.14	-0.79
63XDC3	X	32.40	-15.22	-11.40	30.49	-17.06	-11.77
6BCXKA		48.36	0.74	0.55	49.65	2.11	1.45
6DQVD7		45.89	-1.73	-1.30	45.27	-2.27	-1.57
6JWPCB		48.48	0.86	0.64	47.00	-0.55	-0.38
93QHJG		45.60	-2.02	-1.51	45.89	-1.65	-1.14
9WCB9M		49.26	1.64	1.23	47.24	-0.30	-0.21
A9T4VJ		47.89	0.28	0.21	48.48	0.93	0.64
AJKGEG	*	44.33	-3.29	-2.47	44.29	-3.25	-2.24
CUX8H7		49.16	1.54	1.15	49.24	1.70	1.17
DNYUNP		49.06	1.44	1.08	46.45	-1.09	-0.75
EL67DE		47.01	-0.61	-0.46	47.75	0.21	0.14
ER2KPY		48.62	1.01	0.75	47.76	0.22	0.15
EX2N7R		46.46	-1.15	-0.87	47.65	0.10	0.07
EZDTWT		50.49	2.87	2.15	49.71	2.17	1.49
EZKTL6		48.49	0.87	0.65	47.97	0.43	0.30
G8G3AA		49.83	2.22	1.66	48.95	1.41	0.97
GGQ3VL		46.43	-1.19	-0.89	47.38	-0.17	-0.11
GVELNP		47.63	0.01	0.01	47.08	-0.46	-0.32
HDBYT7		47.72	0.10	0.08	46.98	-0.56	-0.39
JG36KU		48.62	1.00	0.75	48.22	0.68	0.47
JT2K2H	*	46.05	-1.57	-1.18	49.19	1.65	1.14
KFCGEN		47.20	-0.42	-0.31	46.04	-1.50	-1.04
KNV3MF		48.71	1.09	0.81	48.35	0.81	0.56
L9MZW8		47.94	0.32	0.24	49.82	2.28	1.57
LWQMEH		49.45	1.83	1.37	48.60	1.06	0.73
MJXPZ8		46.39	-1.23	-0.92	47.05	-0.50	-0.34
MPZ7BV		47.99	0.37	0.28	47.62	0.07	0.05
MZDT27		49.33	1.72	1.29	49.33	1.78	1.23
NRLLBH		48.24	0.62	0.47	49.10	1.56	1.07

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

WebCode	Data Flag	Sample C17 Lab Mean	Sample C17 Diff from Grand Mean	Sample C17 CPV	Sample C18 Lab Mean	Sample C18 Diff from Grand Mean	Sample C18 CPV
PG7YZ6	*	48.39	0.77	0.58	45.06	-2.49	-1.72
PJTLEW		46.06	-1.56	-1.17	47.36	-0.18	-0.13
PNCPPY		47.93	0.31	0.23	47.57	0.02	0.01
R4AJ3F		48.08	0.46	0.35	49.32	1.77	1.22
RAMRX9		44.45	-3.17	-2.38	44.86	-2.68	-1.85
TBBB7T		48.94	1.32	0.99	49.28	1.74	1.20
VFUB76		46.30	-1.32	-0.99	44.90	-2.64	-1.82
VR6P98		47.67	0.06	0.04	47.69	0.14	0.10
WN3MZ8		47.35	-0.26	-0.20	47.52	-0.02	-0.01
WW3XGV		46.30	-1.32	-0.99	47.35	-0.20	-0.14
WWDNX7		46.88	-0.74	-0.56	48.03	0.48	0.33
Y22BRY		46.44	-1.18	-0.89	45.92	-1.63	-1.12
Y9VZC4		47.97	0.35	0.26	48.29	0.74	0.51
YG7DYY		47.62	0.00	0.00	48.10	0.56	0.39
YGYZXZ		48.79	1.17	0.88	48.08	0.54	0.37
YTNRHV		49.14	1.52	1.14	47.66	0.12	0.08
YTR2CZ		46.78	-0.84	-0.63	46.15	-1.39	-0.96
YUZRBX		45.62	-1.99	-1.49	44.00	-3.54	-2.44
YWM9L7		46.58	-1.04	-0.78	47.44	-0.10	-0.07
Z9C2MP		47.92	0.31	0.23	48.70	1.16	0.80

Summary Statistics

	Sample C17	Sample C18
Grand Means	47.619 MPa	47.544 MPa
Stnd Dev Btwn Labs	1.335 MPa	1.450 MPa

Statistics based on 51 of 52 reporting participants

Sample C17: ABS/PC & Sample C18: ABS/PC

Comments on assigned Data Flags for Test #731

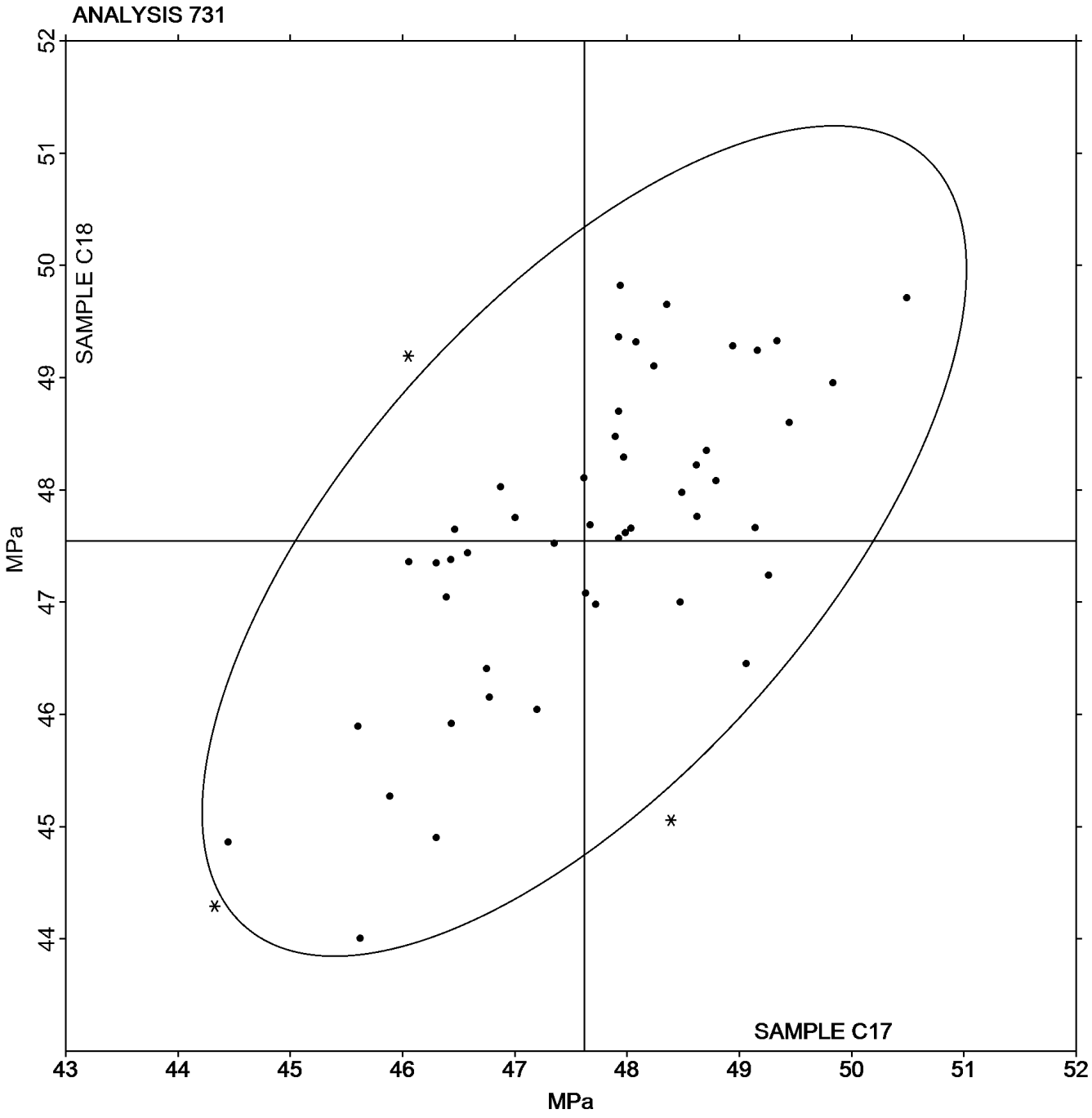
63XDC3 (X) - Data for both samples are low. Also Inconsistent in testing within Sample C17.

Plastics Interlaboratory Testing Program

Analysis 731

Tensile Stress at Break - MPa

Grand Mean Sample C17: 47.619 MPa Grand Mean Sample C18: 47.544 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

WebCode	Data Flag	Sample C17 Lab Mean	Sample C17 Diff from Grand Mean	Sample C17 CPV	Sample C18 Lab Mean	Sample C18 Diff from Grand Mean	Sample C18 CPV
2EGJPK		3.664	0.034	0.32	3.488	-0.076	-0.69
3E69KM		3.672	0.042	0.39	3.601	0.037	0.33
3EZC7R		3.858	0.228	2.13	3.780	0.216	1.94
4UQCA4		3.694	0.064	0.60	3.740	0.176	1.58
6974VT		3.498	-0.132	-1.23	3.524	-0.040	-0.36
6EMQ3R		3.620	-0.010	-0.09	3.600	0.036	0.32
7323EP		3.512	-0.118	-1.10	3.450	-0.114	-1.03
7GACGV		3.702	0.072	0.67	3.628	0.064	0.57
7YH2BJ		3.720	0.090	0.84	3.658	0.094	0.84
8J4RUV		3.674	0.044	0.41	3.590	0.026	0.23
8T27JK		3.674	0.045	0.42	3.637	0.073	0.66
AZRZ76		3.688	0.058	0.54	3.602	0.038	0.34
B49PGU		3.696	0.066	0.62	3.578	0.014	0.12
CAAP7X		3.428	-0.202	-1.88	3.352	-0.212	-1.91
D79YNR		3.508	-0.122	-1.14	3.394	-0.170	-1.54
DP3WUA		3.678	0.048	0.45	3.626	0.062	0.56
E3MRJP		3.652	0.022	0.21	3.498	-0.066	-0.60
E6KVTK		3.714	0.084	0.78	3.652	0.088	0.79
GGBTXR	*	3.358	-0.272	-2.54	3.220	-0.344	-3.10
GNAD7E		3.628	-0.002	-0.02	3.550	-0.014	-0.13
GQY4J4		3.698	0.068	0.64	3.678	0.114	1.02
GZZ4JD		3.670	0.040	0.37	3.546	-0.018	-0.17
HY4ZMA	X	2.992	-0.638	-5.95	3.100	-0.464	-4.19
JD44PF	X	6.188	2.558	23.87	6.226	2.662	23.99
JHQ74H		3.638	0.008	0.08	3.482	-0.082	-0.74
JUU2TV		3.630	0.000	0.00	3.608	0.044	0.39
K72UZN		3.640	0.010	0.10	3.658	0.094	0.85
KU9XT6		3.522	-0.108	-1.01	3.474	-0.090	-0.81
M7MTVE		3.698	0.068	0.64	3.626	0.062	0.56
M8GP7P		3.566	-0.064	-0.60	3.598	0.034	0.30
MHATRH		3.718	0.088	0.82	3.638	0.074	0.66
PCDFZD		3.462	-0.168	-1.57	3.434	-0.130	-1.18

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

WebCode	Data Flag	Sample C17 Lab Mean	Sample C17 Diff from Grand Mean	Sample C17 CPV	Sample C18 Lab Mean	Sample C18 Diff from Grand Mean	Sample C18 CPV
PYGPHG		3.612	-0.018	-0.17	3.464	-0.100	-0.91
Q9JKCG	X	3.382	-0.248	-2.31	3.660	0.096	0.86
R7Y6KC		3.524	-0.106	-0.99	3.592	0.028	0.25
RU2ABF	X	4.946	1.316	12.28	4.884	1.320	11.89
RVGEX4		3.800	0.170	1.59	3.720	0.156	1.40
TFLV2Y		3.626	-0.004	-0.04	3.558	-0.006	-0.06
UUD6XN		3.644	0.014	0.13	3.568	0.004	0.03
VE7DVZ		3.678	0.048	0.45	3.656	0.092	0.83
W9NWNA		3.500	-0.130	-1.21	3.520	-0.044	-0.40
WB2MAU		3.708	0.078	0.73	3.598	0.034	0.30
WBMZRD		3.620	-0.010	-0.09	3.620	0.056	0.50
WJ94YJ		3.521	-0.109	-1.02	3.447	-0.118	-1.06
WTZP26		3.718	0.088	0.82	3.658	0.094	0.84
XQJJFJ	*	3.314	-0.316	-2.95	3.280	-0.284	-2.56
Y839YV		3.716	0.086	0.80	3.642	0.078	0.70
YWFPL6		3.779	0.150	1.40	3.685	0.121	1.09
YX4BQL		3.598	-0.032	-0.30	3.514	-0.050	-0.45
YZEA3A		3.700	0.070	0.66	3.610	0.046	0.41
Z3DF3T		3.560	-0.070	-0.65	3.440	-0.124	-1.12
Z8YW74		3.712	0.082	0.77	3.592	0.028	0.25
ZCVLKG		3.654	0.024	0.22	3.582	0.018	0.16

Summary Statistics

	Sample C17	Sample C18
Grand Means	3.6299 Percent	3.5644 Percent
Stnd Dev Btwn Labs	0.1072 Percent	0.1110 Percent

Statistics based on 49 of 53 reporting participants

Sample C17: ABS/PC & Sample C18: ABS/PC

Plastics Interlaboratory Testing Program
Analysis 732
Percent Strain at Yield

Comments on assigned Data Flags for Test #732

HY4ZMA (X) - Data for both samples are low. Also Inconsistent in testing within Sample C18.

JD44PF (X) - Data for both samples are high. Also Inconsistent in testing within Sample C18.

Q9JKCG (X) - Inconsistent in testing between samples and inconsistent in testing within Sample C17.

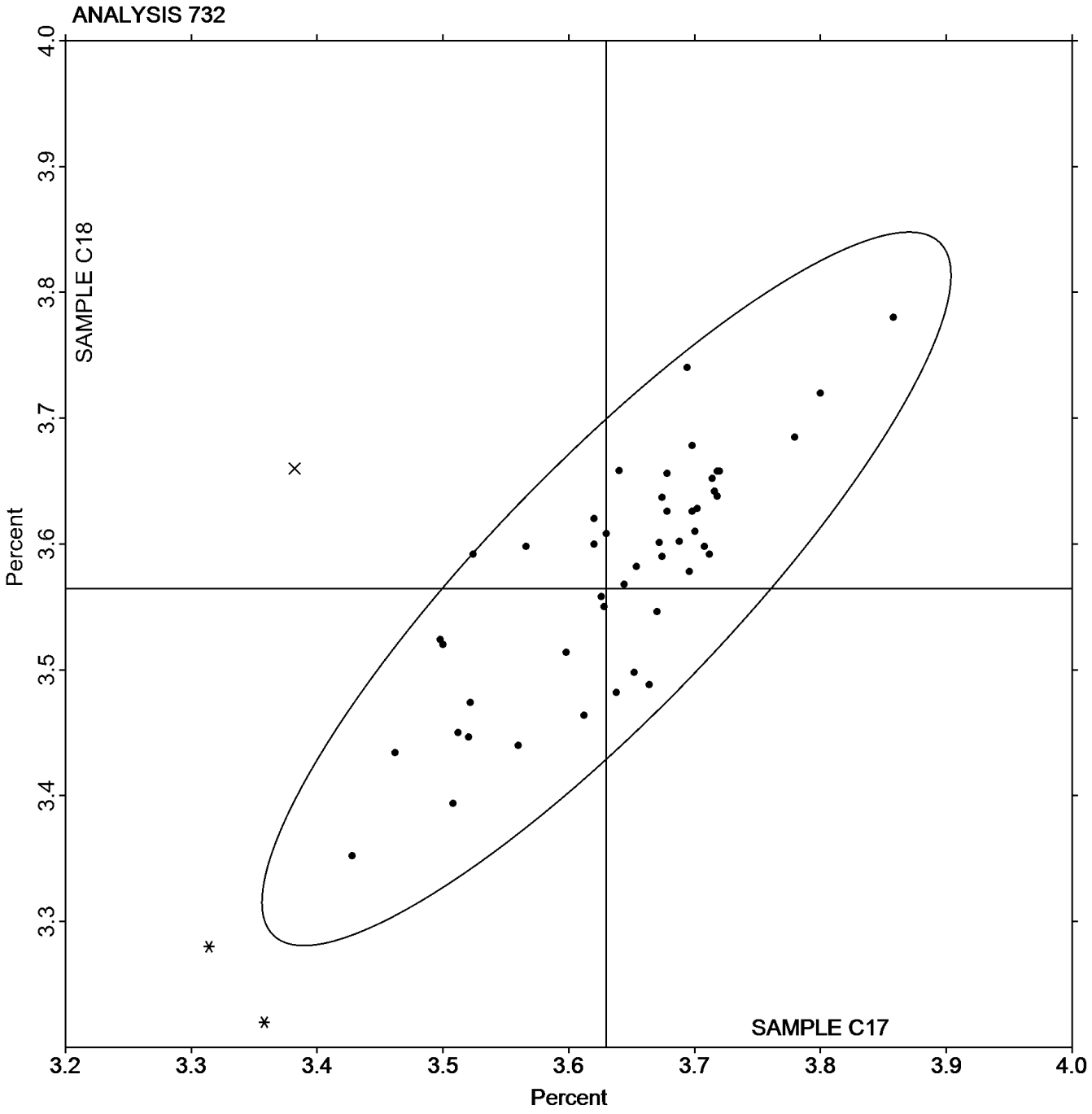
RU2ABF (X) - Data for both samples are high.

Plastics Interlaboratory Testing Program

Analysis 732

Percent Strain at Yield

Grand Mean Sample C17: 3.6299 Percent Grand Mean Sample C18: 3.5644 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

WebCode	Data Flag	Sample C17 Lab Mean	Sample C17 Diff from Grand Mean	Sample C17 CPV	Sample C18 Lab Mean	Sample C18 Diff from Grand Mean	Sample C18 CPV
2NW79D		2,890	27	0.19	2,842	50	0.35
2TYHCD		2,708	-155	-1.07	2,658	-134	-0.94
3LTDR4		2,866	3	0.02	2,804	12	0.08
3RZLRA		2,715	-147	-1.02	2,728	-64	-0.45
4KFVR3		3,183	320	2.22	3,115	323	2.27
4VZQTJ		2,923	60	0.42	2,871	79	0.56
6E98HU		2,819	-43	-0.30	2,748	-44	-0.31
79ZJGL		2,839	-24	-0.17	2,745	-47	-0.33
7FHPX4		2,906	43	0.30	2,934	142	1.00
7GCY3J		2,903	40	0.28	2,814	22	0.16
7Y7LE9	*	2,593	-270	-1.87	2,632	-160	-1.13
7YR6DM		2,709	-154	-1.07	2,685	-107	-0.75
823N8L		3,037	175	1.21	2,962	170	1.20
8CU4RE	X	3,448	585	4.06	3,012	220	1.55
8FYQNJ		2,911	48	0.33	2,915	123	0.87
9DBWLU		2,932	69	0.48	2,849	57	0.40
9FADJX		2,925	62	0.43	2,872	80	0.57
A49GNA		2,897	34	0.24	2,824	32	0.22
ADND8U		3,057	194	1.34	2,891	99	0.70
B6NEUJ		2,678	-184	-1.28	2,540	-252	-1.78
BMC7ZW	X	2,668	-194	-1.35	2,841	49	0.35
BMJ26L		3,001	139	0.96	2,902	110	0.78
BP7NJD		2,799	-64	-0.44	2,744	-48	-0.34
CEMGLT		2,948	86	0.59	2,888	96	0.68
DALTBA		2,943	81	0.56	2,881	89	0.62
EA6LQG		2,845	-18	-0.12	2,745	-47	-0.33
EYND3V		2,792	-71	-0.49	2,688	-104	-0.73
FV3CKN		2,688	-175	-1.21	2,635	-157	-1.11
GH3VMR	X	2,196	-666	-4.62	2,161	-631	-4.44
GL7DAL		2,697	-165	-1.15	2,549	-243	-1.71
GTNCQJ		2,757	-105	-0.73	2,716	-76	-0.53
GVTJ3N		2,853	-10	-0.07	2,706	-86	-0.60

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

WebCode	Data Flag	Sample C17 Lab Mean	Sample C17 Diff from Grand Mean	Sample C17 CPV	Sample C18 Lab Mean	Sample C18 Diff from Grand Mean	Sample C18 CPV
JGX4KC		2,932	69	0.48	2,941	149	1.05
JJW8PW	X	3,055	192	1.33	2,779	-13	-0.09
JLEHAW		2,957	95	0.66	2,878	86	0.61
LNEC7B	*	2,492	-371	-2.57	2,358	-434	-3.05
MVKECM		2,801	-62	-0.43	2,743	-49	-0.35
PKY4LE		2,985	122	0.85	2,889	97	0.68
PT9TL6	X	3,193	330	2.29	3,345	553	3.89
Q62YK2		2,957	94	0.65	2,888	96	0.67
RCC948		2,857	-6	-0.04	2,763	-29	-0.20
T27JQB		2,993	130	0.90	2,835	43	0.31
UKVB94		2,982	119	0.82	2,901	109	0.77
WACG87		2,635	-228	-1.58	2,545	-247	-1.73
X39G9E		2,852	-10	-0.07	2,788	-4	-0.03
Y36PXW		2,867	5	0.03	2,799	7	0.05
Y9D4U7		2,811	-52	-0.36	2,713	-79	-0.56
YAQTQJ		2,902	39	0.27	2,889	97	0.68
YAXN24		2,734	-129	-0.89	2,685	-107	-0.76
YCT97H	*	3,282	419	2.91	3,130	338	2.37
YMXFF2	X	1,619	-1,244	-8.62	1,481	-1,311	-9.23
YPLWP9	X	3,910	1,047	7.26	3,456	664	4.67
YY449U		2,941	78	0.54	2,856	64	0.45
Z4EQB9		2,752	-110	-0.77	2,739	-53	-0.37

Summary Statistics

	Sample C17	Sample C18
Grand Means	2,862.6 MPa	2,792.0 MPa
Stnd Dev Btwn Labs	144.3 MPa	142.2 MPa

Statistics based on 47 of 54 reporting participants

Sample C17: ABS/PC & Sample C18: ABS/PC

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

Comments on assigned Data Flags for Test #734

8CU4RE (X) - Inconsistent in testing between samples, data for Sample C17 are high. Also Inconsistent in testing within both samples.

BMC7ZW (X) - Inconsistent in testing between samples.

GH3VMR (X) - Data for both samples are low. Also Inconsistent in testing within Sample C17.

JJW8PW (X) - Inconsistent in testing between samples and inconsistent in testing within Sample C18.

PT9TL6 (X) - Inconsistent in testing between samples, data for Sample C18 are high. Also Inconsistent in testing within both samples.

YMXFF2 (X) - Data for both samples are low.

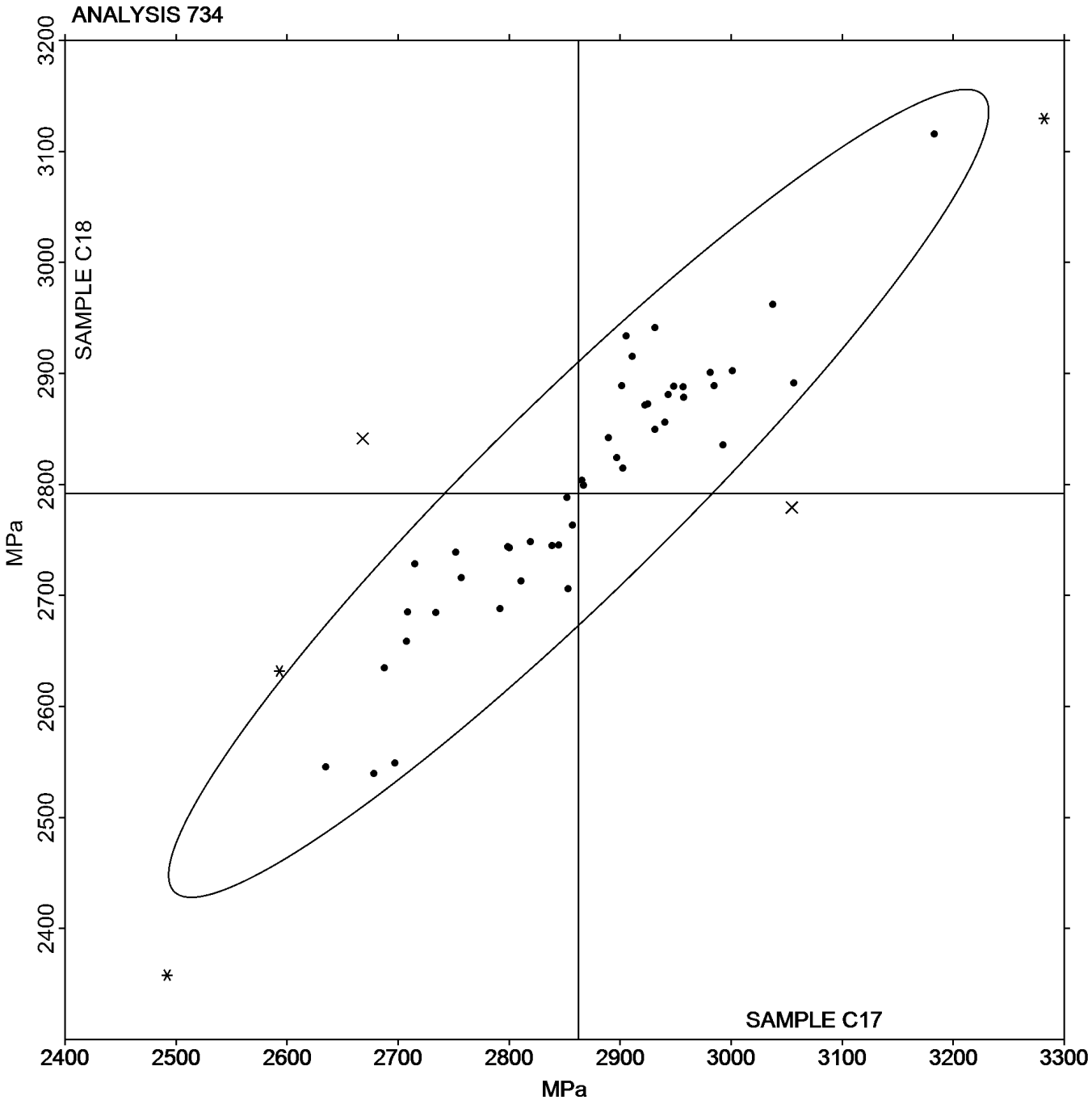
YPLWP9 (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

Plastics Interlaboratory Testing Program

Analysis 734

Modulus of Elasticity - MPa

Grand Mean Sample C17: 2,862.62 MPa Grand Mean Sample C18: 2,791.98 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

WebCode	Data Flag	Sample J17 Lab Mean	Sample J17 Diff from Grand Mean	Sample J17 CPV	Sample J18 Lab Mean	Sample J18 Diff from Grand Mean	Sample J18 CPV
2FN3C2		423.6	3.3	0.21	424.8	4.1	0.26
2G9BK9		441.1	20.9	1.30	441.6	20.9	1.34
3AT9ED		412.2	-8.1	-0.50	408.0	-12.8	-0.81
4CFMVA		414.0	-6.3	-0.39	411.7	-9.1	-0.58
4N3ERX	*	392.8	-27.5	-1.71	388.1	-32.6	-2.08
62BLKG		405.2	-15.1	-0.94	407.6	-13.2	-0.84
6Z87XZ		416.0	-4.3	-0.27	415.1	-5.6	-0.36
724FN6		420.3	0.0	0.00	418.7	-2.0	-0.13
7EFR2E		421.9	1.6	0.10	422.6	1.9	0.12
7K2K92		401.6	-18.6	-1.16	398.7	-22.0	-1.41
7X79FP		422.1	1.8	0.12	428.7	7.9	0.51
89PKAN		443.1	22.9	1.42	442.1	21.4	1.37
93PPT7		417.0	-3.3	-0.20	418.6	-2.1	-0.13
9KY2TH	X	276.3	-144.0	-8.96	271.9	-148.8	-9.50
AJ4CVX		422.3	2.1	0.13	422.6	1.9	0.12
AL6EMU		419.1	-1.2	-0.07	420.4	-0.4	-0.02
AW9HZ6		396.4	-23.8	-1.48	398.7	-22.0	-1.41
AYTJPE		423.5	3.2	0.20	423.6	2.9	0.18
B83BW6		403.6	-16.6	-1.04	410.4	-10.4	-0.66
CCNZVK		426.4	6.2	0.38	426.3	5.6	0.36
DC7XEG		431.1	10.8	0.67	431.5	10.8	0.69
DRY833		412.3	-8.0	-0.50	412.5	-8.3	-0.53
EKNJPF		430.3	10.0	0.62	429.3	8.5	0.55
F2AU8V	X	442.4	22.2	1.38	454.1	33.3	2.13
F7WDQ4		426.4	6.1	0.38	429.2	8.5	0.54
FLT27M	X	405.5	-14.7	-0.92	422.0	1.3	0.08
FU7XZL		413.1	-7.1	-0.44	414.5	-6.2	-0.40
GHV9WV		416.6	-3.7	-0.23	415.8	-4.9	-0.31
H49YMH	X	357.4	-62.9	-3.91	358.0	-62.7	-4.00
H6YT3U		426.4	6.2	0.38	429.0	8.3	0.53
H7HGTN		416.0	-4.3	-0.27	416.6	-4.1	-0.26
HGVULN	X	410.3	-10.0	-0.62	422.6	1.9	0.12

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

WebCode	Data Flag	Sample J17 Lab Mean	Sample J17 Diff from Grand Mean	Sample J17 CPV	Sample J18 Lab Mean	Sample J18 Diff from Grand Mean	Sample J18 CPV
HJF249		427.6	7.3	0.46	427.4	6.7	0.43
HNB28V		421.8	1.5	0.09	423.6	2.9	0.19
J2XJKZ		430.4	10.1	0.63	433.1	12.4	0.79
JAMNE3	*	459.6	39.3	2.45	454.1	33.4	2.13
KDDPJK		409.4	-10.9	-0.68	411.8	-8.9	-0.57
KFAF3F		427.9	7.6	0.47	427.8	7.1	0.45
KR2E3B		390.8	-29.4	-1.83	391.7	-29.0	-1.85
LJJ279		414.9	-5.3	-0.33	415.6	-5.1	-0.33
M3C2L8	*	384.7	-35.6	-2.21	391.1	-29.6	-1.89
MY8D8L		413.1	-7.2	-0.45	419.7	-1.0	-0.06
N4Q3GG		449.8	29.5	1.84	445.6	24.9	1.59
NB29ZJ		426.0	5.8	0.36	426.4	5.6	0.36
NBQG9E		422.3	2.1	0.13	423.0	2.3	0.15
PCPPHA		424.0	3.8	0.23	425.4	4.7	0.30
PF3TUL		420.3	0.0	0.00	419.6	-1.1	-0.07
PXXDF4		413.3	-7.0	-0.44	413.4	-7.4	-0.47
QC68A7		424.9	4.6	0.29	428.6	7.9	0.50
T7YR3H		398.0	-22.3	-1.39	394.7	-26.0	-1.66
TDNLMH		413.7	-6.6	-0.41	415.1	-5.6	-0.36
TLYUZC		415.4	-4.9	-0.30	415.0	-5.7	-0.36
TX236Z		449.1	28.8	1.79	448.1	27.4	1.75
VBGJT2		432.9	12.6	0.78	436.8	16.1	1.03
VHD2WJ	*	442.0	21.7	1.35	447.8	27.1	1.73
WFTEAM		387.1	-33.2	-2.06	388.1	-32.6	-2.08
WUPYTN	X	439.4	19.1	1.19	416.0	-4.7	-0.30
X8CP7W		431.1	10.8	0.67	424.8	4.1	0.26
XYKJHH		398.8	-21.5	-1.34	397.9	-22.8	-1.46
YNE34W		439.4	19.2	1.19	437.9	17.2	1.10
YT6WYM		452.0	31.7	1.97	448.4	27.7	1.77

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

Summary Statistics

Grand Means		
	420.27 ksi	420.71 ksi
Stnd Dev Btwn Labs		
	16.07 ksi	15.66 ksi

Statistics based on 55 of 61 reporting participants

Sample J17: ABS/PC & Sample J18: ABS/PC

Comments on assigned Data Flags for Test #720

9KY2TH (X) - Data for both samples are low.

F2AU8V (X) - Inconsistent in testing between samples.

FLT27M (X) - Inconsistent in testing between samples and inconsistent in testing within Sample J17.

H49YMH (X) - Data for both samples are low. Possible Systematic Error.

HGVULN (X) - Inconsistent in testing between samples.

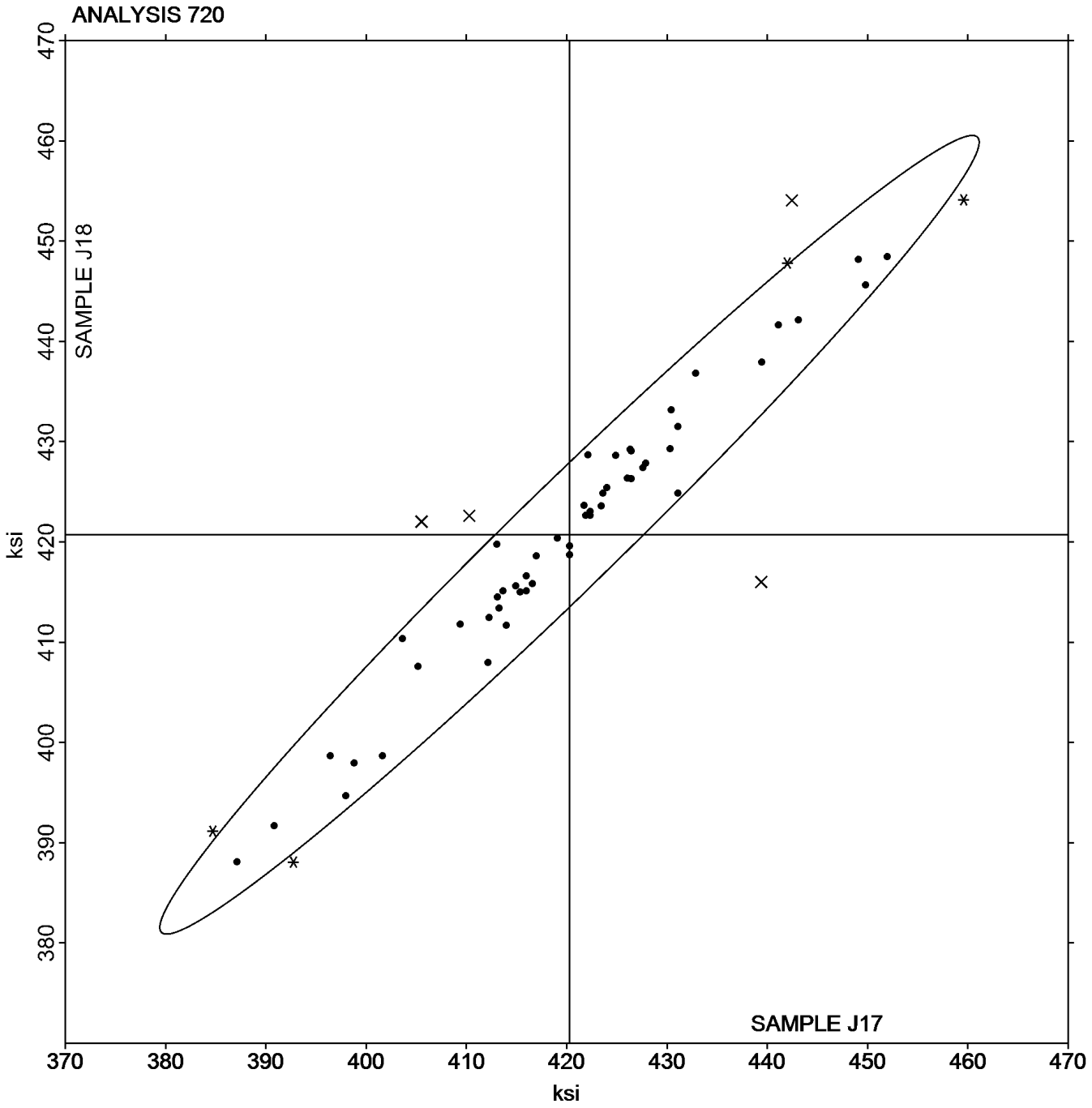
WUPYTN (X) - Inconsistent in testing between samples and inconsistent in testing within Sample J18.

Plastics Interlaboratory Testing Program

Analysis 720

Flexural Modulus- ksi

Grand Mean Sample J17: 420.27 ksi Grand Mean Sample J18: 420.71 ksi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

WebCode	Data Flag	Sample J17 Lab Mean	Sample J17 Diff from Grand Mean	Sample J17 CPV	Sample J18 Lab Mean	Sample J18 Diff from Grand Mean	Sample J18 CPV
2KTEXV		14,709	10	0.02	15,012	279	0.53
3E2L96		14,685	-15	-0.03	14,628	-106	-0.20
4JQEQB		14,843	144	0.28	14,904	171	0.33
6KPEQB		14,974	275	0.53	15,130	396	0.76
6WQRAE		14,937	238	0.46	15,008	274	0.52
7YPM4V		14,218	-481	-0.93	14,105	-629	-1.20
8CNKAA		14,781	82	0.16	15,006	272	0.52
A34KJ3		15,028	329	0.64	14,954	220	0.42
AGM4JR		14,956	257	0.50	14,988	255	0.49
AMPCPU		14,600	-99	-0.19	14,592	-142	-0.27
B9B4AW		13,700	-999	-1.93	13,740	-994	-1.90
BPDEZ2		14,550	-149	-0.29	14,547	-186	-0.36
BZWVN2		15,025	326	0.63	15,026	293	0.56
CNBHVH		14,778	79	0.15	14,655	-78	-0.15
CYLGBJ		15,026	327	0.63	14,977	244	0.46
E3FUNT		14,122	-577	-1.12	14,066	-667	-1.27
EFQ7GH		14,185	-514	-0.99	14,223	-511	-0.98
EY4L79	*	15,262	563	1.09	14,977	243	0.46
EYB2Y8		14,618	-81	-0.16	14,689	-45	-0.09
G92QWL	*	14,224	-475	-0.92	14,583	-151	-0.29
GYWQM4	*	13,202	-1,497	-2.90	13,211	-1,523	-2.91
HD9AD6		15,321	622	1.20	15,344	611	1.16
HXXF2W		14,782	83	0.16	14,801	67	0.13
JJKRXX		14,252	-447	-0.86	14,270	-464	-0.88
JPXL9D		14,140	-559	-1.08	14,120	-614	-1.17
KX28DB		14,876	177	0.34	14,872	138	0.26
LY8CHV		14,706	7	0.01	14,679	-55	-0.10
LZRFPJ		14,863	164	0.32	15,023	290	0.55
MUHYV9	*	15,444	745	1.44	15,196	462	0.88
NHBF4T		13,900	-799	-1.55	13,899	-834	-1.59
NRJFWY		14,828	129	0.25	14,985	251	0.48
P9NVFZ		14,731	32	0.06	14,743	9	0.02

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

WebCode	Data Flag	Sample J17 Lab Mean	Sample J17 Diff from Grand Mean	Sample J17 CPV	Sample J18 Lab Mean	Sample J18 Diff from Grand Mean	Sample J18 CPV
PPZR8G		15,095	395	0.77	15,129	395	0.75
PULNMJ		13,600	-1,099	-2.13	13,700	-1,034	-1.97
PZ8C2X	*	16,033	1,333	2.58	16,105	1,371	2.62
TAC78F		14,628	-71	-0.14	14,577	-157	-0.30
TYQMGX	X	10,737	-3,962	-7.66	10,754	-3,980	-7.59
UNLG2C		14,483	-216	-0.42	14,639	-94	-0.18
UQLBD4		14,557	-143	-0.28	14,484	-250	-0.48
UYTMD2		14,423	-276	-0.53	14,408	-326	-0.62
VULAKA		14,992	293	0.57	15,037	303	0.58
VWRC93		15,000	301	0.58	15,131	397	0.76
W3BEPF		14,902	203	0.39	15,235	501	0.96
XFJ7VK	X	13,901	-799	-1.54	13,218	-1,516	-2.89
XQEFVY		15,396	697	1.35	15,511	777	1.48
YDJP97		14,558	-141	-0.27	14,570	-164	-0.31
ZE7VWR		15,493	794	1.54	15,536	802	1.53
ZNEBX3		14,733	34	0.07	14,738	4	0.01

Summary Statistics

	Sample J17	Sample J18
Grand Means	14,699.1 psi	14,733.8 psi
Stnd Dev Btwn Labs	516.9 psi	524.3 psi

Statistics based on 46 of 48 reporting participants

Sample J17: ABS/PC & Sample J18: ABS/PC

Comments on assigned Data Flags for Test #721

TYQMGX (X) - Data for both samples are low.

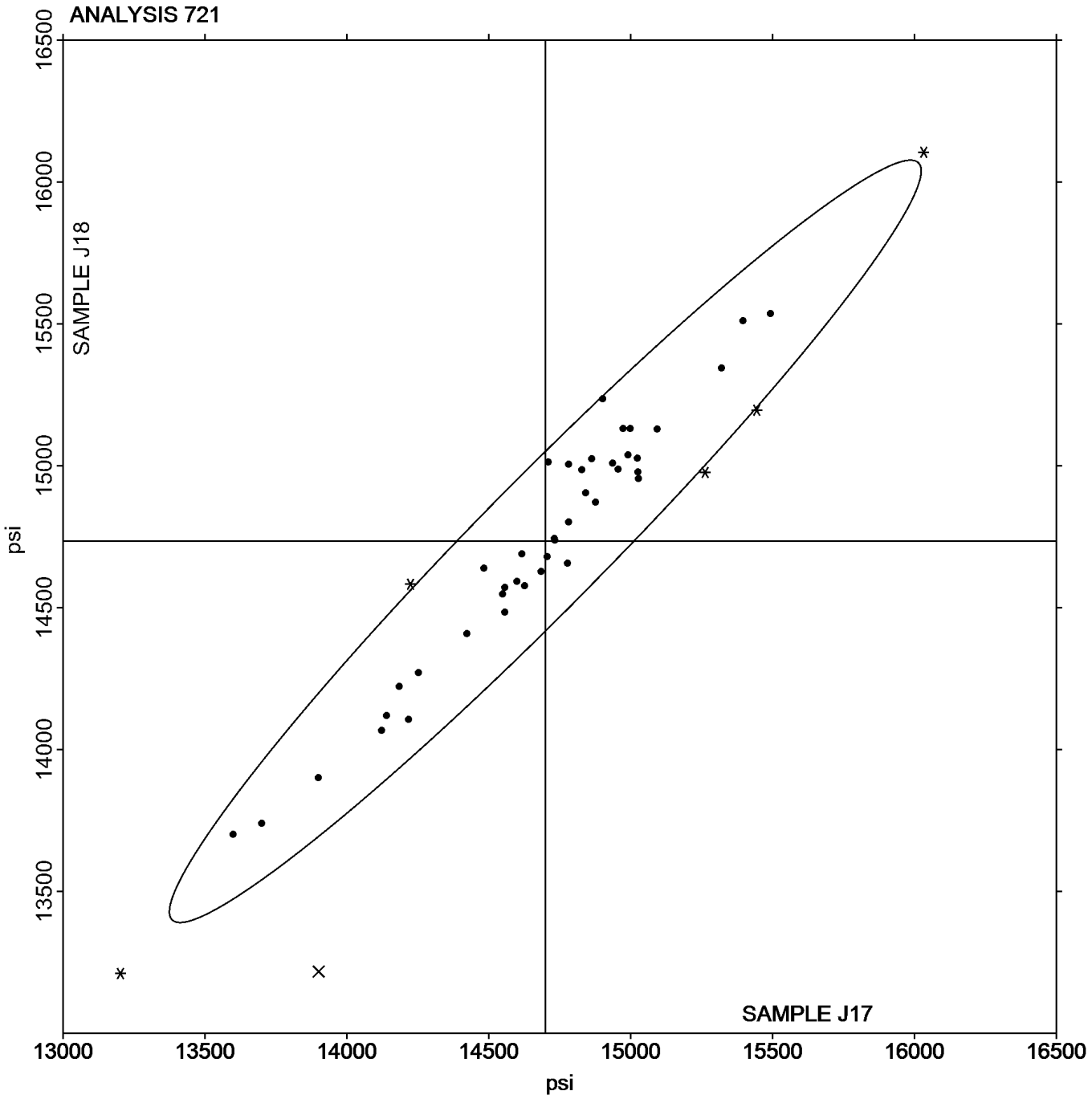
XFJ7VK (X) - Inconsistent in testing between samples, data for Sample J18 are low. Also Inconsistent in testing within both samples.

Plastics Interlaboratory Testing Program

Analysis 721

Flexural Stress at 5% Strain - psi

Grand Mean Sample J17: 14,699.13 psi Grand Mean Sample J18: 14,733.76 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

		Sample J17			Sample J18		
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV
2AMQF6		14,872	200	0.44	15,037	330	0.72
3BBG86		14,784	112	0.25	14,811	103	0.22
3GMLWC		14,858	186	0.41	14,927	220	0.48
3KNF2V		14,180	-492	-1.09	14,140	-567	-1.23
4BNAY7		14,560	-112	-0.25	14,643	-65	-0.14
6X69N6		13,700	-972	-2.15	13,760	-947	-2.06
7JZGZE		15,000	328	0.72	15,057	350	0.76
7L8PL4		13,600	-1,072	-2.37	13,700	-1,007	-2.19
8MBXVB	X	13,917	-755	-1.67	13,280	-1,427	-3.11
9367KA		14,252	-420	-0.93	14,270	-437	-0.95
AA46KX		15,170	498	1.10	15,186	479	1.04
AEYPTN		14,432	-240	-0.53	14,422	-286	-0.62
AWMVF2		15,059	387	0.86	15,212	505	1.10
B2H67R		14,218	-454	-1.00	14,105	-602	-1.31
CKWLMP		14,561	-111	-0.25	14,488	-219	-0.48
D8FA8N		14,707	35	0.08	15,026	319	0.69
D96T3W		14,218	-454	-1.00	14,140	-567	-1.23
DDQTUZ		14,787	115	0.25	14,633	-74	-0.16
EWYC9J		14,866	195	0.43	14,872	165	0.36
F34NJ7	*	13,403	-1,269	-2.80	13,448	-1,259	-2.74
FFJC7Q		15,098	426	0.94	15,133	426	0.93
GKXTG4		15,468	796	1.76	15,210	503	1.09
HBXAB7		14,606	-66	-0.15	14,673	-34	-0.07
HW9H2Q		14,570	-102	-0.23	14,596	-111	-0.24
JGGH3A	X	10,947	-3,725	-8.23	10,956	-3,751	-8.17
JRWW2K		15,000	328	0.72	15,023	316	0.69
KPKPMW		14,737	65	0.14	14,615	-92	-0.20
MFKJUL		14,390	-282	-0.62	14,686	-21	-0.05
MVZ6BG		15,058	386	0.85	15,075	368	0.80
MY28DP		14,654	-18	-0.04	14,602	-105	-0.23
NFDTU4		14,764	92	0.20	14,762	55	0.12
NH7QGJ		14,679	7	0.02	14,589	-119	-0.26

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

WebCode	Data Flag	Sample J17 Lab Mean	Sample J17 Diff from Grand Mean	Sample J17 CPV	Sample J18 Lab Mean	Sample J18 Diff from Grand Mean	Sample J18 CPV
P7DV3T		13,915	-757	-1.67	13,915	-792	-1.73
PBNXDN		14,632	-40	-0.09	14,605	-102	-0.22
RBQDVH		14,632	-40	-0.09	14,583	-124	-0.27
RCA2U8		15,013	341	0.75	15,146	439	0.96
RX8JT7		14,722	50	0.11	15,036	329	0.72
UDQ3HW		15,420	748	1.65	15,413	706	1.54
UMJC73		14,407	-265	-0.58	14,300	-407	-0.89
UZN2ZB		14,247	-425	-0.94	14,618	-89	-0.19
VJZ82H		15,129	457	1.01	15,118	411	0.89
VTYEMT	*	15,360	688	1.52	14,980	273	0.59
X66AKZ		14,194	-478	-1.06	14,237	-470	-1.02
XD67N9		14,620	-52	-0.12	14,609	-98	-0.21
XMUR9Y		14,896	224	0.49	14,855	147	0.32
YDNCYG		14,992	320	0.71	15,142	435	0.95
YEHWUY		15,406	734	1.62	15,537	829	1.81
YP3Q6J		14,786	114	0.25	15,008	301	0.66
Z7X43P	X	16,447	1,775	3.92	16,445	1,737	3.78
ZDEEXH		14,715	43	0.10	14,689	-18	-0.04
ZDXMZD	*	14,920	248	0.55	15,316	608	1.32

Summary Statistics

	Sample J17	Sample J18
Grand Means	14,672.0 psi	14,707.3 psi
Stnd Dev Btwn Labs	452.6 psi	459.4 psi

Statistics based on 48 of 51 reporting participants

Sample J17: ABS/PC & Sample J18: ABS/PC

Comments on assigned Data Flags for Test #722

8MBXVB (X) - Inconsistent in testing between samples, data for Sample J18 are low. Also Inconsistent in testing within both samples.

JGGH3A (X) - Data for both samples are low.

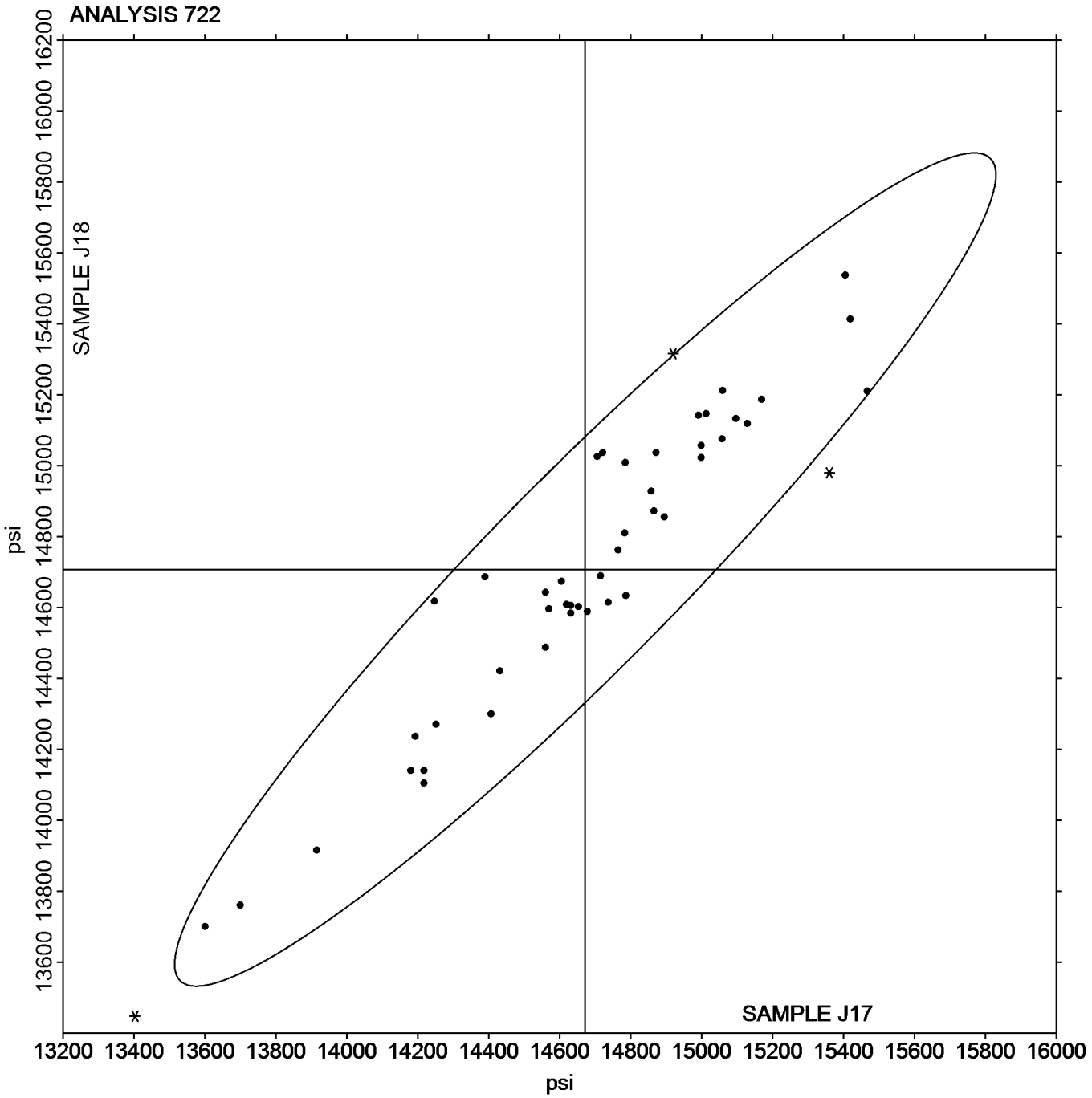
Z7X43P (X) - Data for both samples are high. Possible systematic error.

Plastics Interlaboratory Testing Program

Analysis 722

Flexural Stress at Yield - psi

Grand Mean Sample J17: 14,671.97 psi Grand Mean Sample J18: 14,707.25 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

WebCode	Data Flag	Sample K17 Lab Mean	Sample K17 Diff from Grand Mean	Sample K17 CPV	Sample K18 Lab Mean	Sample K18 Diff from Grand Mean	Sample K18 CPV
2F26UQ		2,658	-188	-1.71	2,689	-128	-1.36
3LHV8Q		2,966	120	1.09	2,876	59	0.62
4MNZD8		2,781	-65	-0.59	2,868	51	0.54
4ZTUT2		2,876	30	0.27	2,940	123	1.30
67WQMM		2,768	-78	-0.71	2,714	-103	-1.10
6AVUQ3		2,753	-93	-0.85	2,722	-96	-1.01
6GF432		2,790	-56	-0.51	2,744	-73	-0.78
6PJRQP		2,940	94	0.85	2,882	65	0.69
7837D4		2,616	-230	-2.09	2,647	-170	-1.80
8CZVZV		2,743	-102	-0.93	2,723	-95	-1.00
8HRF79		2,689	-157	-1.43	2,668	-149	-1.59
8W343Z		2,839	-7	-0.06	2,844	27	0.28
933JYN		2,753	-93	-0.85	2,730	-87	-0.92
97NKCL		2,820	-26	-0.24	2,827	10	0.10
9Y9XKX		3,059	213	1.94	3,040	223	2.37
BLUQFG		3,021	175	1.59	2,988	171	1.82
BW8DKW		2,855	9	0.08	2,823	6	0.06
CUUWZU		2,874	28	0.25	2,837	19	0.21
D76MJC		2,755	-91	-0.83	2,764	-53	-0.56
E6XB2Y	X	7,346	4,500	40.91	7,152	4,334	46.03
EWGJ9Q		2,696	-150	-1.36	2,669	-148	-1.57
F29MH2		2,993	147	1.34	2,888	71	0.76
F2C6XD	*	3,041	195	1.77	2,860	42	0.45
F2ZUDZ		2,967	121	1.10	2,929	112	1.19
FPDC7N		2,794	-52	-0.47	2,772	-46	-0.48
GZB8QE		2,768	-78	-0.71	2,832	15	0.16
HP4QM4		2,844	-2	-0.02	2,779	-38	-0.40
HUDMWQ		2,880	34	0.31	2,820	3	0.03
JJNEKV		2,989	143	1.30	2,918	101	1.07
JKEMAG		2,980	134	1.22	2,853	36	0.38
K4FDV3		2,889	43	0.39	2,952	135	1.43
KNQAPK		2,889	43	0.39	2,900	83	0.88

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

WebCode	Data Flag	Sample K17 Lab Mean	Sample K17 Diff from Grand Mean	Sample K17 CPV	Sample K18 Lab Mean	Sample K18 Diff from Grand Mean	Sample K18 CPV
KYYUCG	X	1,514	-1,332	-12.11	1,525	-1,292	-13.72
LKBJCC	X	2,228	-618	-5.62	2,160	-657	-6.98
LXYRNJ		2,894	49	0.44	2,819	2	0.02
MWG4XA		2,733	-112	-1.02	2,659	-158	-1.68
NXCKVC		2,848	2	0.02	2,789	-28	-0.30
QCPZYU		2,884	38	0.35	2,839	22	0.24
VK9QWZ		2,710	-136	-1.24	2,723	-94	-1.00
XWHJJ2		2,941	95	0.86	2,841	24	0.25
YB62EL		2,883	37	0.33	2,843	26	0.27
YZUH4V		2,812	-34	-0.31	2,856	39	0.42

Summary Statistics

	Sample K17	Sample K18
Grand Means	2,845.9 MPa	2,817.2 MPa
Stnd Dev Btwn Labs	110.0 MPa	94.2 MPa

Statistics based on 39 of 42 reporting participants

Sample K17: ABS/PC & Sample K18: ABS/PC

Comments on assigned Data Flags for Test #736

E6XB2Y (X) - Data for both samples are high. Inconsistent in testing within both samples.

KYYUCG (X) - Data for both samples are low.

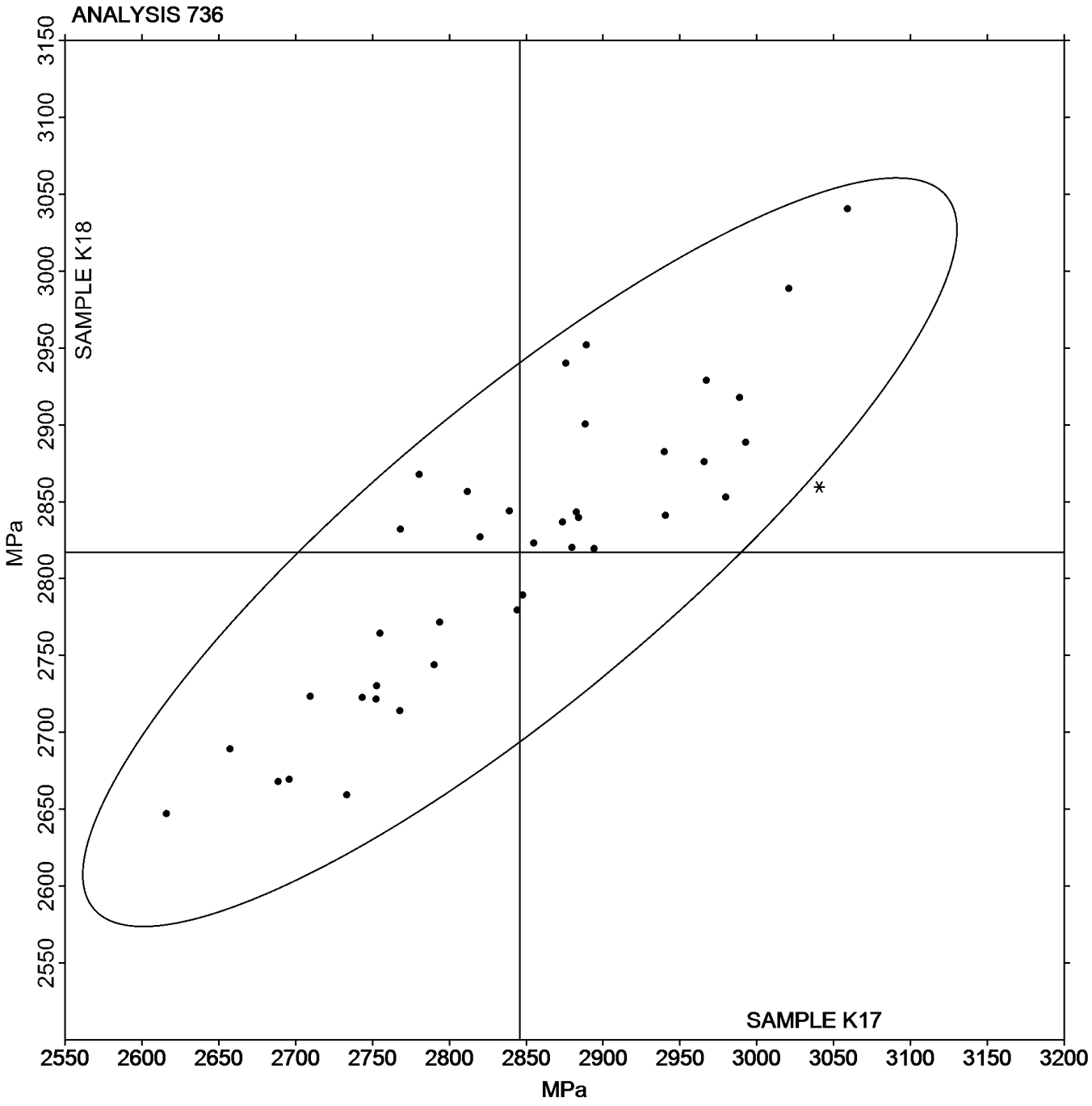
LKBJCC (X) - Data for both samples are low.

Plastics Interlaboratory Testing Program

Analysis 736

Flexural Modulus - MPa

Grand Mean Sample K17: 2,845.87 MPa Grand Mean Sample K18: 2,817.16 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

WebCode	Data Flag	Sample K17 Lab Mean	Sample K17 Diff from Grand Mean	Sample K17 CPV	Sample K18 Lab Mean	Sample K18 Diff from Grand Mean	Sample K18 CPV
2JPAJ6		92.29	1.12	0.41	90.99	1.60	0.80
3V6NY6		88.15	-3.02	-1.11	85.91	-3.49	-1.74
43UE7U		90.56	-0.61	-0.22	88.81	-0.59	-0.29
6P7AT4		88.39	-2.77	-1.01	87.57	-1.82	-0.91
6XJR66		91.17	0.00	0.00	88.67	-0.73	-0.36
7JRHV6		92.18	1.01	0.37	89.92	0.53	0.26
9PUWM3		88.10	-3.07	-1.12	88.15	-1.25	-0.62
9ZYQ6P		92.87	1.70	0.62	90.26	0.86	0.43
A8F7BV		90.91	-0.26	-0.10	90.16	0.77	0.38
AL2H6K		92.14	0.97	0.35	89.67	0.27	0.14
BQBWDH	*	85.71	-5.45	-2.00	88.33	-1.07	-0.53
BTXU2U		92.65	1.49	0.54	90.55	1.15	0.58
CVLUJ9		89.77	-1.40	-0.51	87.84	-1.56	-0.78
D3RPGF		93.26	2.09	0.76	91.94	2.54	1.27
DLD87N		89.66	-1.51	-0.55	87.12	-2.28	-1.14
DLGAVF		91.85	0.68	0.25	89.61	0.22	0.11
G67X6E		96.19	5.02	1.84	93.98	4.58	2.29
HNAK4Z		90.39	-0.78	-0.29	89.88	0.48	0.24
KMPQZE	*	98.04	6.87	2.51	95.16	5.77	2.88
L2QYX2		92.19	1.02	0.37	89.70	0.30	0.15
L3A9CW		86.99	-4.17	-1.53	85.81	-3.58	-1.79
LD3WQM		89.95	-1.21	-0.44	88.52	-0.88	-0.44
MEFZ2K		94.40	3.24	1.18	90.65	1.26	0.63
NEXRPH		95.13	3.96	1.45	91.93	2.53	1.27
RPRWQ4		90.07	-1.10	-0.40	90.05	0.65	0.33
TK6DGL	*	94.48	3.32	1.21	88.12	-1.28	-0.64
URXHU3		87.86	-3.31	-1.21	89.38	-0.02	-0.01
V3AAQ7		92.30	1.13	0.41	89.00	-0.40	-0.20
WC2XD6		92.60	1.43	0.52	89.25	-0.15	-0.07
WPFWN9		90.98	-0.19	-0.07	88.84	-0.56	-0.28
XKWA8T		87.00	-4.17	-1.52	86.69	-2.70	-1.35
XYYEWM		90.49	-0.68	-0.25	90.01	0.62	0.31

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

WebCode	Data Flag	Sample K17 Lab Mean	Sample K17 Diff from Grand Mean	Sample K17 CPV	Sample K18 Lab Mean	Sample K18 Diff from Grand Mean	Sample K18 CPV
YAD2B9		89.82	-1.35	-0.49	87.57	-1.83	-0.91
ZAMWB3	X	44.49	-46.68	-17.08	43.48	-45.92	-22.92
ZGUZDH	X	102.13	10.96	4.01	99.06	9.66	4.82

Summary Statistics

	Sample K17	Sample K18
Grand Means	91.168 MPa	89.395 MPa
Stnd Dev Btwn Labs	2.733 MPa	2.004 MPa

Statistics based on 33 of 35 reporting participants

Sample K17: ABS/PC & Sample K18: ABS/PC

Comments on assigned Data Flags for Test #737

ZAMWB3 (X) - Data for both samples are low.

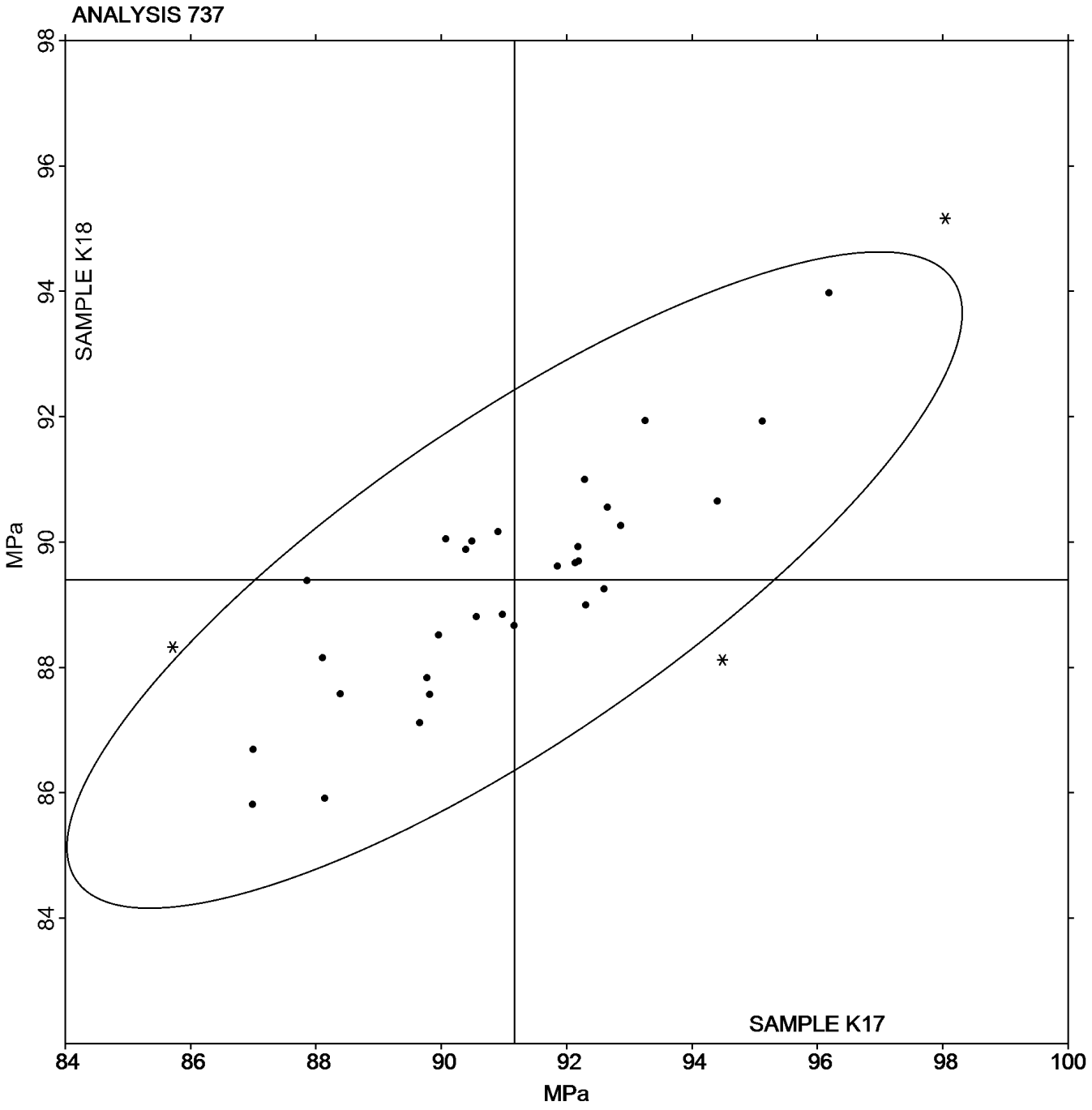
ZGUZDH (X) - Data for both samples are high. Also Inconsistent in testing within Sample K17.

Plastics Interlaboratory Testing Program

Analysis 737

Flexural Stress at 3.5% Strain - MPa

Grand Mean Sample K17: 91.168 MPa Grand Mean Sample K18: 89.395 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 738

Flexural Stress at Yield - MPa

WebCode	Data Flag	Sample K17 Lab Mean	Sample K17 Diff from Grand Mean	Sample K17 CPV	Sample K18 Lab Mean	Sample K18 Diff from Grand Mean	Sample K18 CPV
4UNE2J		96.84	-2.81	-1.40	96.08	-1.56	-1.00
8LCVQR		101.70	2.06	1.03	98.89	1.25	0.80
8RPFD7		100.23	0.58	0.29	99.01	1.37	0.88
8YM9GP		99.16	-0.49	-0.24	98.54	0.91	0.58
9DXADD		99.41	-0.24	-0.12	96.80	-0.84	-0.54
AF9FKW		99.82	0.17	0.09	97.50	-0.14	-0.09
CE9J8V		97.57	-2.07	-1.04	97.85	0.21	0.13
CLW94Q		100.77	1.13	0.56	97.83	0.19	0.12
CQG2LW		97.63	-2.02	-1.01	94.34	-3.30	-2.12
D2H43Q		103.24	3.59	1.80	99.35	1.71	1.10
EQUMHY		98.82	-0.83	-0.41	97.45	-0.19	-0.12
FDXLBT		98.65	-1.00	-0.50	95.94	-1.69	-1.09
JBERYT		99.78	0.14	0.07	97.18	-0.45	-0.29
JL4W7D		102.44	2.79	1.39	98.38	0.74	0.48
JMZPJN		100.91	1.26	0.63	99.56	1.92	1.23
KUPYK3		96.65	-3.00	-1.50	96.02	-1.62	-1.04
L89G6G		98.38	-1.27	-0.63	95.98	-1.66	-1.07
LW9EN2		98.37	-1.28	-0.64	96.10	-1.54	-0.99
NGE44L		97.14	-2.51	-1.26	96.06	-1.57	-1.01
P73R6N		99.96	0.31	0.15	97.90	0.26	0.17
QVPKY9		102.68	3.03	1.52	99.86	2.22	1.43
QYRYPR		98.24	-1.41	-0.71	96.60	-1.04	-0.67
R7X323		101.64	1.99	1.00	99.19	1.55	1.00
TBM6DX	X	90.22	-9.43	-4.72	90.22	-7.42	-4.76
U4EJR9	X	49.04	-50.61	-25.31	48.05	-49.59	-31.85
UE4NCP		102.13	2.48	1.24	99.06	1.42	0.91
UQRNPE		101.47	1.83	0.91	99.78	2.14	1.38
V8QFNB		101.98	2.33	1.17	99.16	1.52	0.98
XJCX9K		96.18	-3.47	-1.74	94.43	-3.21	-2.06
YNGFHX	X	87.65	-12.00	-6.00	86.79	-10.85	-6.97
YQBCXZ		100.42	0.77	0.38	97.92	0.28	0.18
ZBBD6G	X	94.43	-5.21	-2.61	88.84	-8.80	-5.65

Plastics Interlaboratory Testing Program

Analysis 738

Flexural Stress at Yield - MPa

WebCode	Data Flag	Sample K17 Lab Mean	Sample K17 Diff from Grand Mean	Sample K17 CPV	Sample K18 Lab Mean	Sample K18 Diff from Grand Mean	Sample K18 CPV
ZMLHZX	*	97.59	-2.06	-1.03	98.75	1.11	0.71

Summary Statistics

	Sample K17	Sample K18
Grand Means	99.648 MPa	97.638 MPa
Stnd Dev Btwn Labs	2.000 MPa	1.557 MPa

Statistics based on 29 of 33 reporting participants

Sample K17: ABS/PC & Sample K18: ABS/PC

Comments on assigned Data Flags for Test #738

TBM6DX (X) - Data for both samples are low. Also Inconsistent in testing within K17.

U4EJR9 (X) - Data for both samples are low.

YNGFHX (X) - Data for both samples are low. Also Inconsistent in testing within Sample K17.

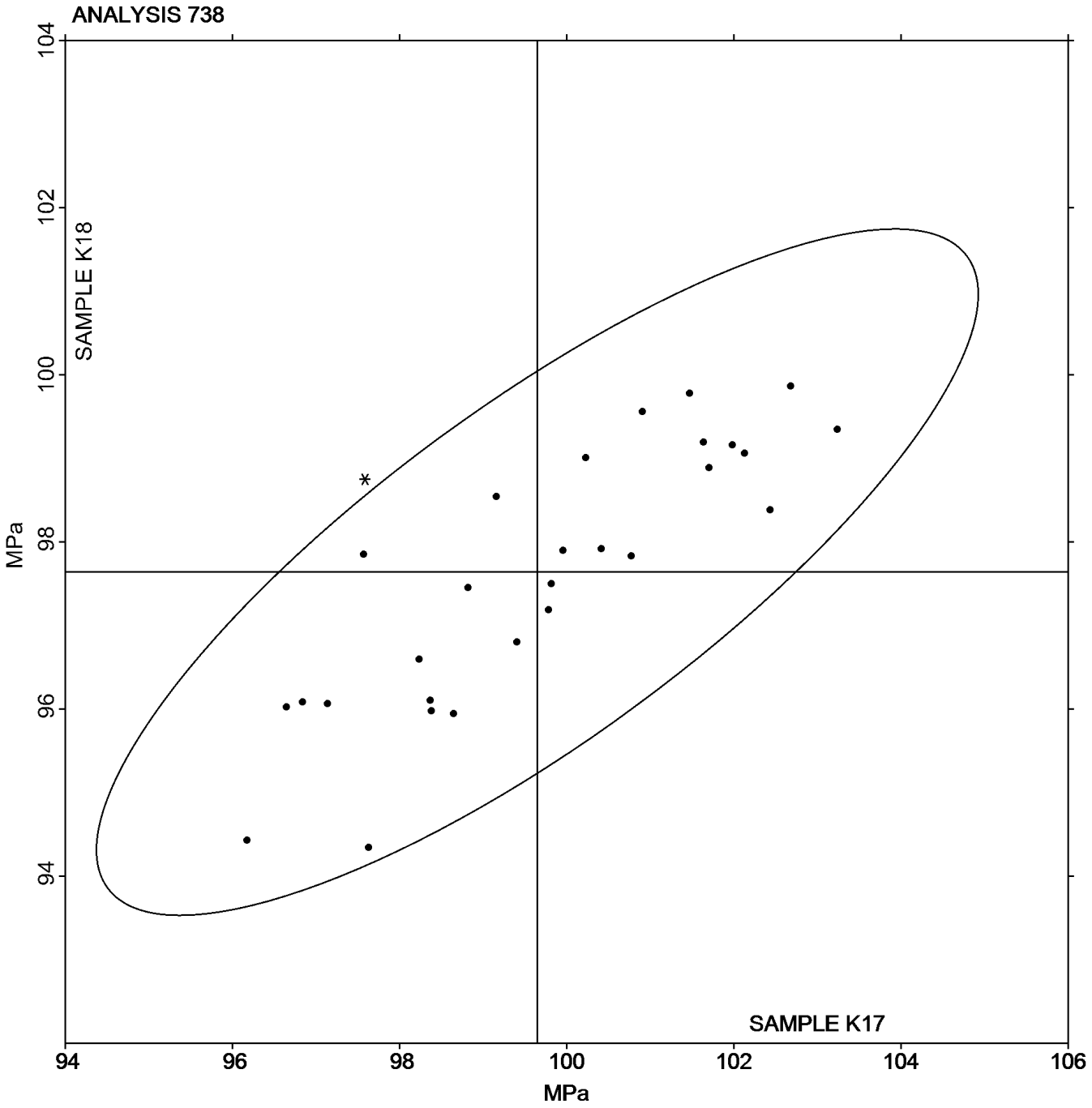
ZBBD6G (X) - Low data for Sample K18. Also Inconsistent in testing within Sample K18.

Plastics Interlaboratory Testing Program

Analysis 738

Flexural Stress at Yield - MPa

Grand Mean Sample K17: 99.648 MPa Grand Mean Sample K18: 97.638 MPa



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

WebCode	Data Flag	Sample S17 Lab Mean	Sample S17 Diff from Grand Mean	Sample S17 CPV	Sample S18 Lab Mean	Sample S18 Diff from Grand Mean	Sample S18 CPV	Instr Code
2CGHQY	*	2.89	-0.02	-0.10	3.18	0.28	1.51	TO
3CR2BB	X	2.87	-0.04	-0.21	2.14	-0.77	-4.18	TO
3F6MQ2	*	2.83	-0.08	-0.41	2.54	-0.37	-2.01	DS
3HMJNJ		2.84	-0.07	-0.37	2.94	0.04	0.21	XX
3U77FC		2.78	-0.13	-0.68	2.80	-0.11	-0.59	TM
473FQM		2.67	-0.24	-1.31	2.65	-0.26	-1.41	TO
4DJTBM		2.94	0.03	0.17	2.78	-0.13	-0.69	XX
4HQ2WX		2.78	-0.12	-0.67	2.80	-0.11	-0.58	TY
64ZG7X		2.87	-0.03	-0.19	2.82	-0.09	-0.47	TM
6JFB7L		2.70	-0.21	-1.12	2.68	-0.23	-1.24	WY
6N2GCA		2.73	-0.18	-0.95	2.72	-0.19	-1.03	BA
6XF4QG		2.75	-0.16	-0.86	2.82	-0.09	-0.47	XX
8EYULL		2.91	0.00	0.02	2.83	-0.08	-0.42	CE
8QHNN3		3.00	0.10	0.52	3.04	0.14	0.75	TM
9MXW2D		2.81	-0.10	-0.53	2.82	-0.08	-0.44	TO
A7TER7		2.72	-0.19	-1.02	2.72	-0.18	-1.01	TM
AAA4EJ	X	3.94	1.03	5.60	3.87	0.96	5.26	TO
AF4NLC		3.07	0.16	0.87	3.00	0.09	0.50	TO
AKGPY9	*	2.87	-0.04	-0.20	2.59	-0.31	-1.71	TO
BGFFH2		2.99	0.08	0.42	3.04	0.14	0.75	CS
BKG4UN		3.03	0.13	0.68	3.03	0.12	0.66	XX
DQ3CJN		2.96	0.05	0.29	2.98	0.08	0.43	CE
DZED79	X	0.36	-2.55	-13.88	0.36	-2.55	-13.90	TO
E87R9X		2.79	-0.11	-0.61	2.84	-0.07	-0.36	TO
EN68CX		2.69	-0.22	-1.18	2.75	-0.16	-0.85	CE
F3HMQ3	X	2.22	-0.69	-3.74	2.26	-0.65	-3.55	XX
FKHHEH		3.22	0.31	1.68	3.14	0.23	1.26	TO
FYJCM3		2.48	-0.43	-2.35	2.56	-0.34	-1.86	CE
G7ADY2		2.92	0.01	0.08	3.17	0.26	1.44	CE
GWGJN7		2.85	-0.06	-0.34	2.94	0.04	0.22	TM
H24XMB		2.80	-0.11	-0.60	2.76	-0.14	-0.77	TO
HMFXBF		3.01	0.11	0.58	2.99	0.08	0.44	TO

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

WebCode	Data Flag	Sample S17 Lab Mean	Sample S17 Diff from Grand Mean	Sample S17 CPV	Sample S18 Lab Mean	Sample S18 Diff from Grand Mean	Sample S18 CPV	Instr Code
HRRWM6		2.85	-0.05	-0.29	2.85	-0.06	-0.32	TM
K36YJA	*	3.45	0.54	2.96	3.42	0.52	2.83	TM
KQGF4R	X	2.00	-0.91	-4.93	2.05	-0.85	-4.65	TM
MT6YPQ		3.01	0.10	0.57	3.04	0.14	0.75	TO
MXYL8R		3.05	0.14	0.75	3.21	0.31	1.67	TM
NGRHL2		3.00	0.10	0.52	2.96	0.05	0.28	TM
NY9U3P		3.28	0.37	2.03	3.16	0.26	1.40	XX
PFZFFH		2.90	-0.01	-0.06	2.89	-0.02	-0.09	CE
Q34UDW		2.93	0.02	0.11	2.93	0.03	0.16	TM
Q4FF8J		2.85	-0.06	-0.30	2.93	0.02	0.13	TO
QF92ZC		3.02	0.11	0.60	3.13	0.23	1.25	CE
RWXY7K		3.14	0.23	1.24	3.06	0.15	0.84	WZ
TAPWXL		3.04	0.13	0.71	3.09	0.19	1.02	TO
TPZ8H8		2.58	-0.33	-1.78	2.52	-0.38	-2.09	TO
TQNBUV		2.78	-0.13	-0.70	2.80	-0.11	-0.58	CS
TVFRDT		2.60	-0.31	-1.68	2.75	-0.15	-0.85	TO
UD6JGH		3.06	0.15	0.83	2.95	0.04	0.24	CE
UPNUBE		2.76	-0.15	-0.80	2.88	-0.02	-0.13	TO
UV3GH8		2.80	-0.11	-0.60	2.76	-0.14	-0.79	TO
UXD8VC		2.90	-0.01	-0.06	2.89	-0.01	-0.07	TM
V2924K		2.72	-0.19	-1.01	2.79	-0.12	-0.65	TO
V6QDUA		3.13	0.22	1.19	2.91	0.01	0.04	CE
VWEYCE	X	1.48	-1.43	-7.75	1.44	-1.47	-8.02	TO
W4V2RU		2.99	0.09	0.47	2.99	0.09	0.48	TM
WDG6VC		2.68	-0.23	-1.23	2.78	-0.12	-0.67	CE
WVWYDQ		3.17	0.26	1.44	3.04	0.14	0.75	TM
Y4N8ZP		3.13	0.22	1.19	3.17	0.26	1.44	TM
YQAQQH		2.97	0.07	0.36	3.00	0.09	0.50	TM
YWBDJE		3.19	0.29	1.56	3.00	0.09	0.51	TM
ZFGADY		2.94	0.03	0.16	2.85	-0.06	-0.31	TY

Plastics Interlaboratory Testing Program
Analysis 790
Notched Izod Impact - ft.lbf/in

Summary Statistics

Grand Means	2.908	ft.lbf/in	2.905	ft.lbf/in
Stnd Dev Btwn Labs	0.184	ft.lbf/in	0.183	ft.lbf/in

Statistics based on 56 of 62 reporting participants

Sample S17: HIPS & Sample S18: HIPS

Comments on assigned Data Flags for Test #790

3CR2BB (X) - Inconsistent in testing between samples, data for Sample S18 are low.

AAA4EJ (X) - Data for both samples are high.

DZED79 (X) - Data for both samples are low.

F3HMQ3 (X) - Data for both samples are low. Possible Systematic Error.

KQGF4R (X) - Data for both samples are low.

VWEYCE (X) - Data for both samples are low.

Instrument Code List as Reported by the Labs

(BA) - Baldwin

(CE) - Ceast

(CS) - CSI

(DS) - Dynisco

(TM) - TMI

(TO) - Tinius Olsen

(TY) - Toyoseiki

(WY) - Yasuda Seiki

(WZ) - Zwick

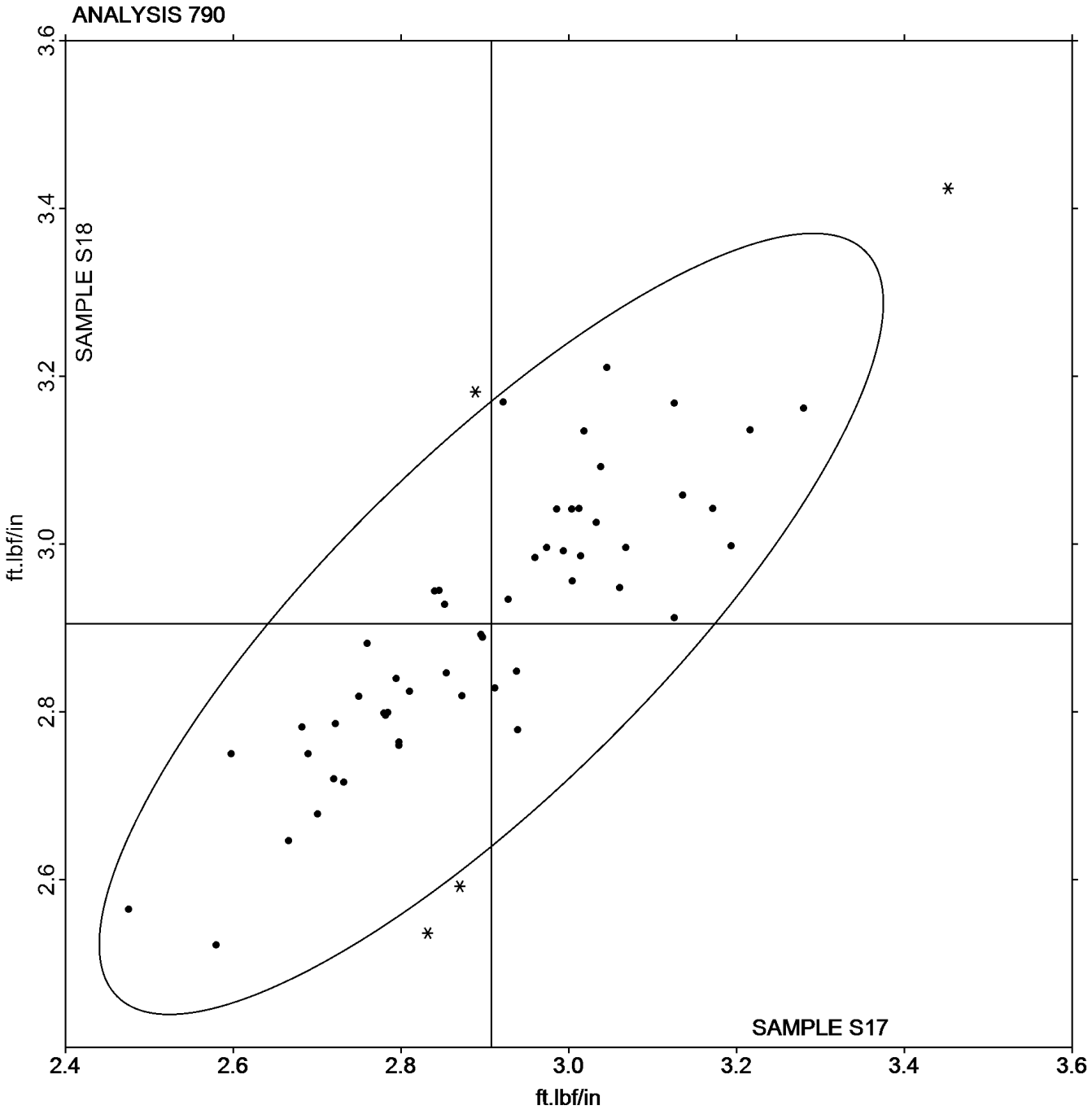
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 790

Notched Izod Impact - ft.lbf/in

Grand Mean Sample S17: 2.9075 ft.lbf/in Grand Mean Sample S18: 2.9048 ft.lbf/in



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 791

Notched Izod Impact - kJ/m^2

WebCode	Data Flag	Sample Z17 Lab Mean	Sample Z17 Diff from Grand Mean	Sample Z17 CPV	Sample Z18 Lab Mean	Sample Z18 Diff from Grand Mean	Sample Z18 CPV	Instr Code
2FT48E		13.27400	0.76285	0.50	12.81800	0.42639	0.32	XX
3KVMHV		12.44000	-0.07115	-0.05	13.22000	0.82839	0.62	XX
49U4G8		12.20600	-0.30515	-0.20	11.45200	-0.93961	-0.70	XX
9GMKKF		11.62360	-0.88755	-0.58	11.88640	-0.50521	-0.38	XX
BJWZUV		11.78000	-0.73115	-0.48	12.38000	-0.01161	-0.01	XX
FPCK4K		11.88000	-0.63115	-0.41	12.70600	0.31439	0.24	XX
FXLZVH		12.99800	0.48685	0.32	12.97200	0.58039	0.44	XX
KQFN7G		13.49800	0.98685	0.65	13.12800	0.73639	0.55	XX
M33CVK		12.54200	0.03085	0.02	13.02400	0.63239	0.47	XX
MPMWHG		12.65800	0.14685	0.10	12.60800	0.21639	0.16	XX
MUYTD9		13.00600	0.49485	0.32	12.51800	0.12639	0.09	XX
MVK7FU	*	7.56600	-4.94515	-3.24	7.71200	-4.67961	-3.51	XX
QMBRLC		15.01760	2.50645	1.64	13.47720	1.08559	0.81	XX
UDGME7		13.84200	1.33085	0.87	13.01800	0.62639	0.47	XX
UTVUNA		13.35240	0.84125	0.55	13.29980	0.90819	0.68	XX
WMADNV		12.18600	-0.32515	-0.21	11.63800	-0.75361	-0.56	XX
ZAXWRY		12.82000	0.30885	0.20	12.80000	0.40839	0.31	XX

Summary Statistics

Grand Means

Sample Z17	Sample Z18
12.511153 kJ/m^2	12.391612 kJ/m^2

Stnd Dev Btwn Labs

Sample Z17	Sample Z18
1.526758 kJ/m^2	1.334075 kJ/m^2

Statistics based on 17 of 17 reporting participants

Sample Z17: HIPS & Sample Z18: HIPS

Instrument Code List as Reported by the Labs

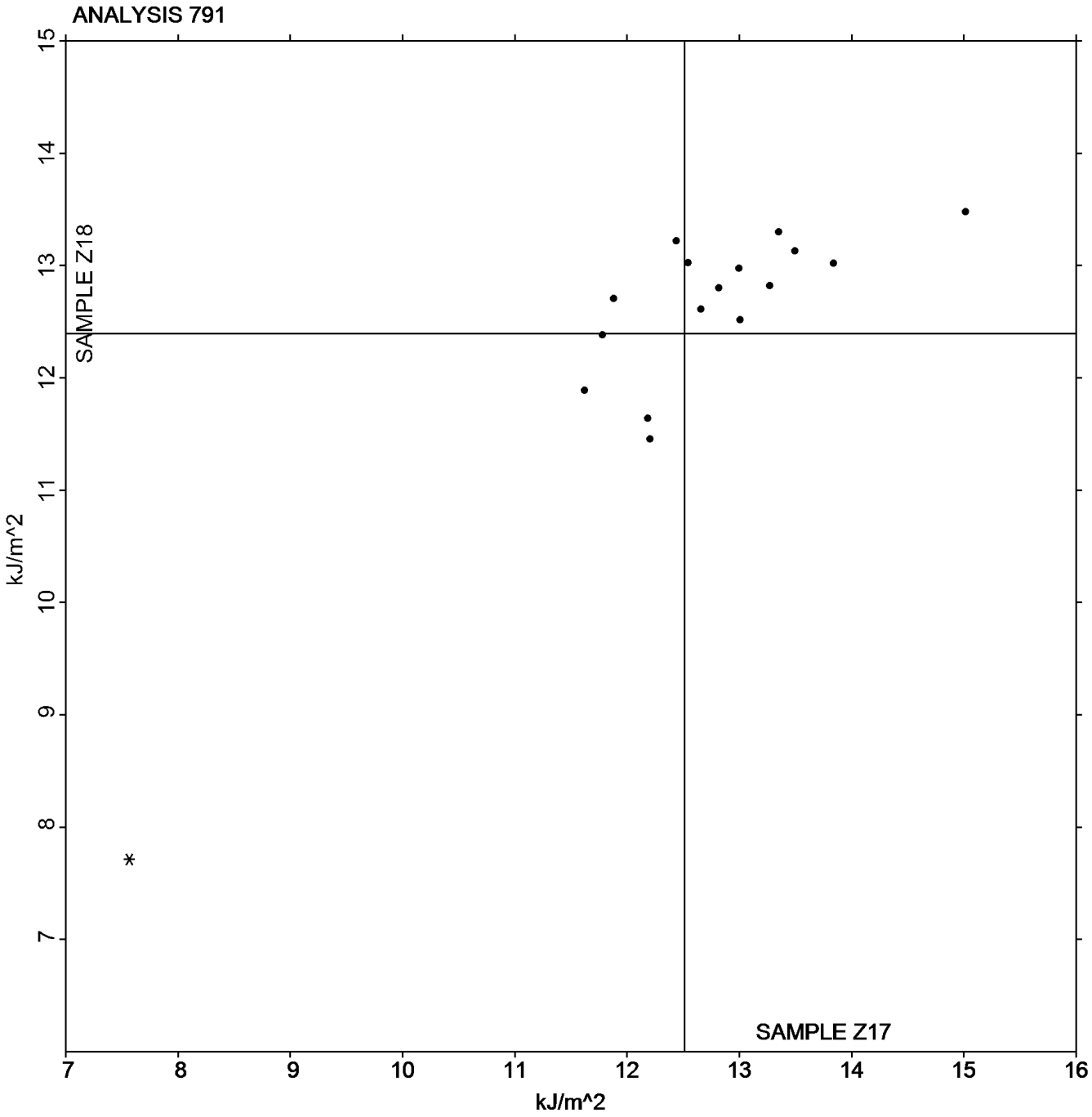
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 791

Notched Izod Impact - kJ/m^2

Grand Mean Sample Z17: 12.511 kJ/m^2 Grand Mean Sample Z18: 12.392 kJ/m^2



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m^2

WebCode	Data Flag	Sample M17 Lab Mean	Sample M17 Diff from Grand Mean	Sample M17 CPV	Sample M18 Lab Mean	Sample M18 Diff from Grand Mean	Sample M18 CPV	Instr Code
36ELUQ		22.67	-0.13	-0.04	26.30	2.66	0.71	XX
3TCKKX		23.76	0.96	0.28	23.66	0.01	0.00	TO
4GV8WX		20.05	-2.75	-0.80	20.60	-3.04	-0.81	TY
6FZCWL		22.96	0.17	0.05	23.18	-0.47	-0.12	TM
77TEQA		25.26	2.47	0.72	20.92	-2.73	-0.73	TM
7ZQT43		28.85	6.05	1.77	29.56	5.91	1.57	TM
9CQ9U9		29.10	6.31	1.84	25.53	1.88	0.50	TM
A96JQT		18.80	-3.99	-1.17	18.06	-5.58	-1.49	XX
CAP4K2		19.91	-2.88	-0.84	21.73	-1.92	-0.51	TO
CETYGC		23.25	0.45	0.13	23.59	-0.06	-0.02	TM
CH7UJC	*	20.20	-2.60	-0.76	27.98	4.33	1.15	WZ
D3NQ3U		21.30	-1.50	-0.44	22.56	-1.09	-0.29	WZ
DMKVHZ		24.26	1.46	0.43	22.68	-0.96	-0.26	WZ
DZ3FDA		23.00	0.20	0.06	26.80	3.16	0.84	XX
EG2XNT		18.88	-3.92	-1.14	22.02	-1.63	-0.43	XX
EKCTV4		23.77	0.98	0.29	25.33	1.69	0.45	CE
GL2VLM	X	61.32	38.52	11.24	61.94	38.29	10.20	CE
HEJYWG		23.31	0.51	0.15	23.57	-0.07	-0.02	TO
JMDDL7		27.56	4.77	1.39	27.29	3.64	0.97	CE
JWXWJW		23.71	0.91	0.27	22.20	-1.44	-0.38	WZ
KHFGX9		20.67	-2.12	-0.62	20.26	-3.38	-0.90	CE
LM2UAD		26.27	3.47	1.01	28.84	5.20	1.38	CE
NQK6CE		18.22	-4.58	-1.34	17.71	-5.93	-1.58	XX
PVAP2Y		27.96	5.16	1.51	27.12	3.47	0.92	XX
QJ4EMW		22.50	-0.30	-0.09	22.16	-1.49	-0.40	XX
R9WAU8		24.56	1.76	0.52	29.96	6.31	1.68	CE
T334QG		26.20	3.40	0.99	30.08	6.44	1.71	WZ
VBGJT2		15.30	-7.50	-2.19	15.40	-8.25	-2.20	TO
WF6JFA		26.74	3.95	1.15	26.14	2.50	0.66	TM
WX4KHA		17.53	-5.27	-1.54	17.76	-5.89	-1.57	CE
XBYADW		24.78	1.98	0.58	24.96	1.31	0.35	XX
XL737H		19.06	-3.74	-1.09	19.26	-4.39	-1.17	CE

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m^2

WebCode	Data Flag	Sample M17 Lab Mean	Sample M17 Diff from Grand Mean	Sample M17 CPV	Sample M18 Lab Mean	Sample M18 Diff from Grand Mean	Sample M18 CPV	Instr Code
YR8R8M		22.60	-0.20	-0.06	22.30	-1.35	-0.36	XX
Z6DPZQ		19.26	-3.54	-1.03	24.82	1.17	0.31	CE

Summary Statistics

	Sample M17	Sample M18
Grand Means	22.795 kJ/m^2	23.646 kJ/m^2
Stnd Dev Btwn Labs	3.426 kJ/m^2	3.756 kJ/m^2

Statistics based on 33 of 34 reporting participants

Sample M17: ABS/PC & Sample M18: ABS/PC

Comments on assigned Data Flags for Test #792

GL2VLM (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

(CE) - Ceast

(TM) - TMI

(TO) - Tinius Olsen

(TY) - Toyoseiki

(WZ) - Zwick

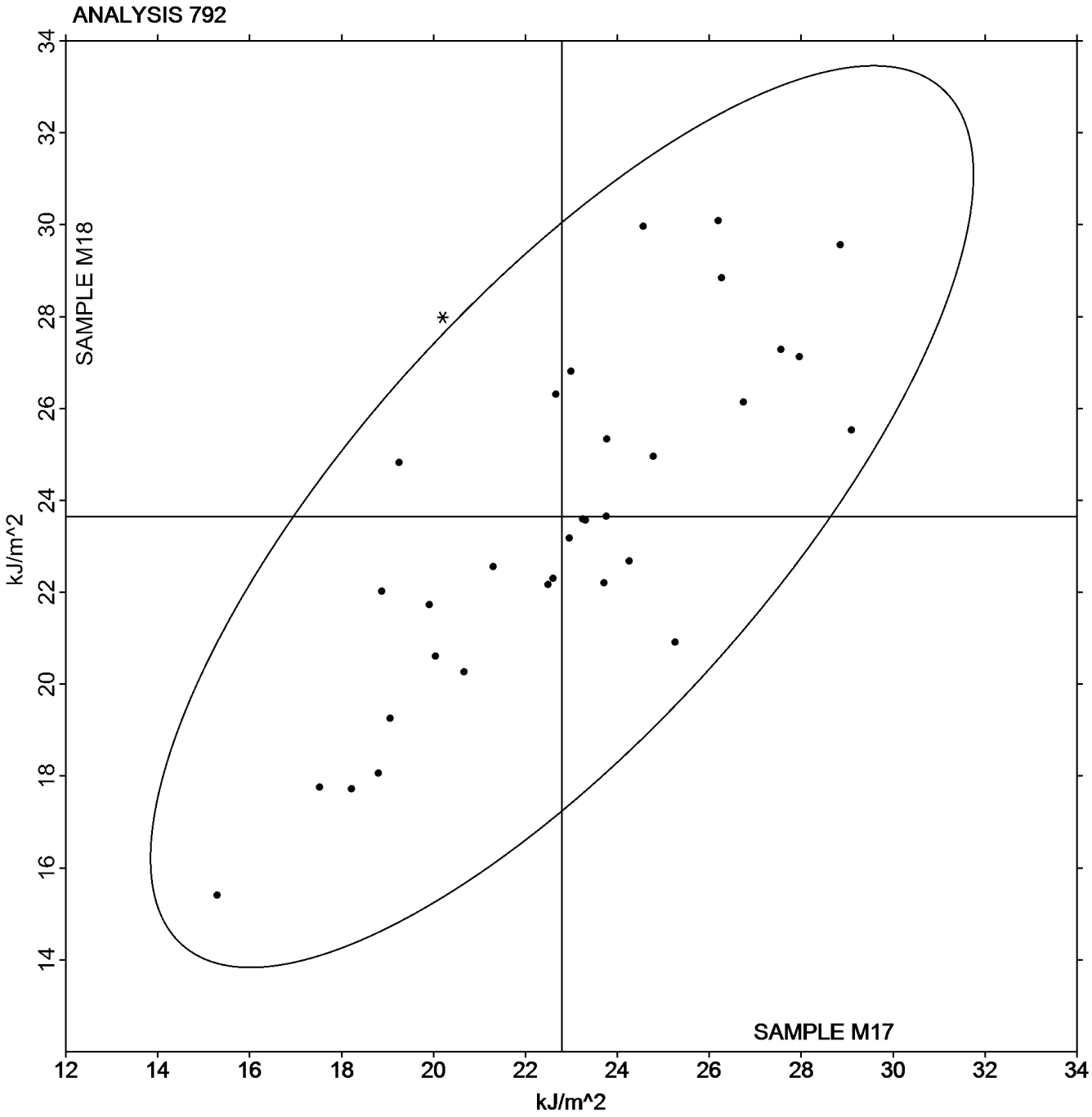
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 792

Notched Charpy Impact - kJ/m^2

Grand Mean Sample M17: 22.795 kJ/m^2 Grand Mean Sample M18: 23.646 kJ/m^2



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 710

Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

WebCode	Data Flag	Sample E17 Lab Mean	Sample E17 Diff from Grand Mean	Sample E17 CPV	Sample E18 Lab Mean	Sample E18 Diff from Grand Mean	Sample E18 CPV	Instr Code
27TBDD		78.43	-0.06	-0.05	78.50	-0.09	-0.08	TO
2GQAT9	*	75.75	-2.73	-2.17	76.93	-1.67	-1.38	CE
2V6WUR		78.18	-0.31	-0.25	77.68	-0.92	-0.76	RO
3WGGHW		78.53	0.04	0.03	78.33	-0.27	-0.22	TO
4NDG4E		79.55	1.07	0.85	79.70	1.11	0.92	AT
4QF6DH	X	87.50	9.02	7.16	84.38	5.78	4.79	XX
62GCT6		76.90	-1.58	-1.26	78.00	-0.59	-0.49	XX
684VGE		78.73	0.24	0.19	78.53	-0.07	-0.06	CE
7AH7CW		77.45	-1.03	-0.82	77.23	-1.37	-1.13	XA
7C7FHC		80.14	1.66	1.32	79.98	1.38	1.15	TO
7HZFYX		77.65	-0.83	-0.66	78.30	-0.29	-0.24	AT
89ZLT6		79.35	0.87	0.69	79.75	1.16	0.96	CE
97DDAN		78.08	-0.41	-0.32	78.28	-0.32	-0.26	AT
9ED4EC		80.56	2.07	1.64	80.56	1.96	1.62	XX
AAJREV		78.50	0.02	0.01	77.98	-0.62	-0.51	TO
AU8B4H		77.68	-0.81	-0.64	77.90	-0.69	-0.57	XX
CA7DD3		79.05	0.57	0.45	79.08	0.48	0.40	CE
CJEWQB		78.03	-0.46	-0.36	77.68	-0.92	-0.76	TY
DPMDCX		79.58	1.09	0.87	79.60	1.01	0.83	TO
FGJZNP		80.48	1.99	1.58	80.43	1.83	1.52	AT
FMD9UQ		79.48	0.99	0.79	79.05	0.46	0.38	XX
HF9U9X		77.83	-0.66	-0.52	77.63	-0.97	-0.80	TO
J2FW6J		78.68	0.19	0.15	78.60	0.01	0.01	DN
JHZAET		80.00	1.52	1.20	79.75	1.16	0.96	XX
JKTPXD		79.38	0.89	0.71	79.85	1.26	1.04	TY
JP4VCJ		78.45	-0.03	-0.03	78.58	-0.02	-0.01	XX
M2GDCT		77.35	-1.13	-0.90	77.83	-0.77	-0.64	DN
MQ9XQH	*	75.55	-2.93	-2.33	75.35	-3.24	-2.69	RR
QPPC9Y		76.80	-1.68	-1.34	77.03	-1.57	-1.30	CE
REAANP		81.25	2.77	2.20	81.45	2.86	2.37	CE
REAWYV		78.18	-0.31	-0.25	78.40	-0.19	-0.16	TO
RLQ3L8		78.60	0.12	0.09	78.85	0.26	0.21	TO

Plastics Interlaboratory Testing Program

Analysis 710

Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

WebCode	Data Flag	Sample E17 Lab Mean	Sample E17 Diff from Grand Mean	Sample E17 CPV	Sample E18 Lab Mean	Sample E18 Diff from Grand Mean	Sample E18 CPV	Instr Code
T3K776		77.45	-1.03	-0.82	77.45	-1.14	-0.95	TO
W36A3Q		77.95	-0.53	-0.42	78.20	-0.39	-0.33	DN
XNLXF9		78.90	0.42	0.33	79.80	1.21	1.00	AT
Z9J3RN		78.55	0.07	0.05	78.58	-0.02	-0.01	TO

Summary Statistics

	Sample E17		Sample E18	
Grand Means	78.484	Degrees C	78.593	Degrees C
Stnd Dev Btwn Labs	1.259	Degrees C	1.207	Degrees C

Statistics based on 35 of 36 reporting participants

Sample E17: ABS/PC & Sample E18: ABS/PC

Comments on assigned Data Flags for Test #710

4QF6DH (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

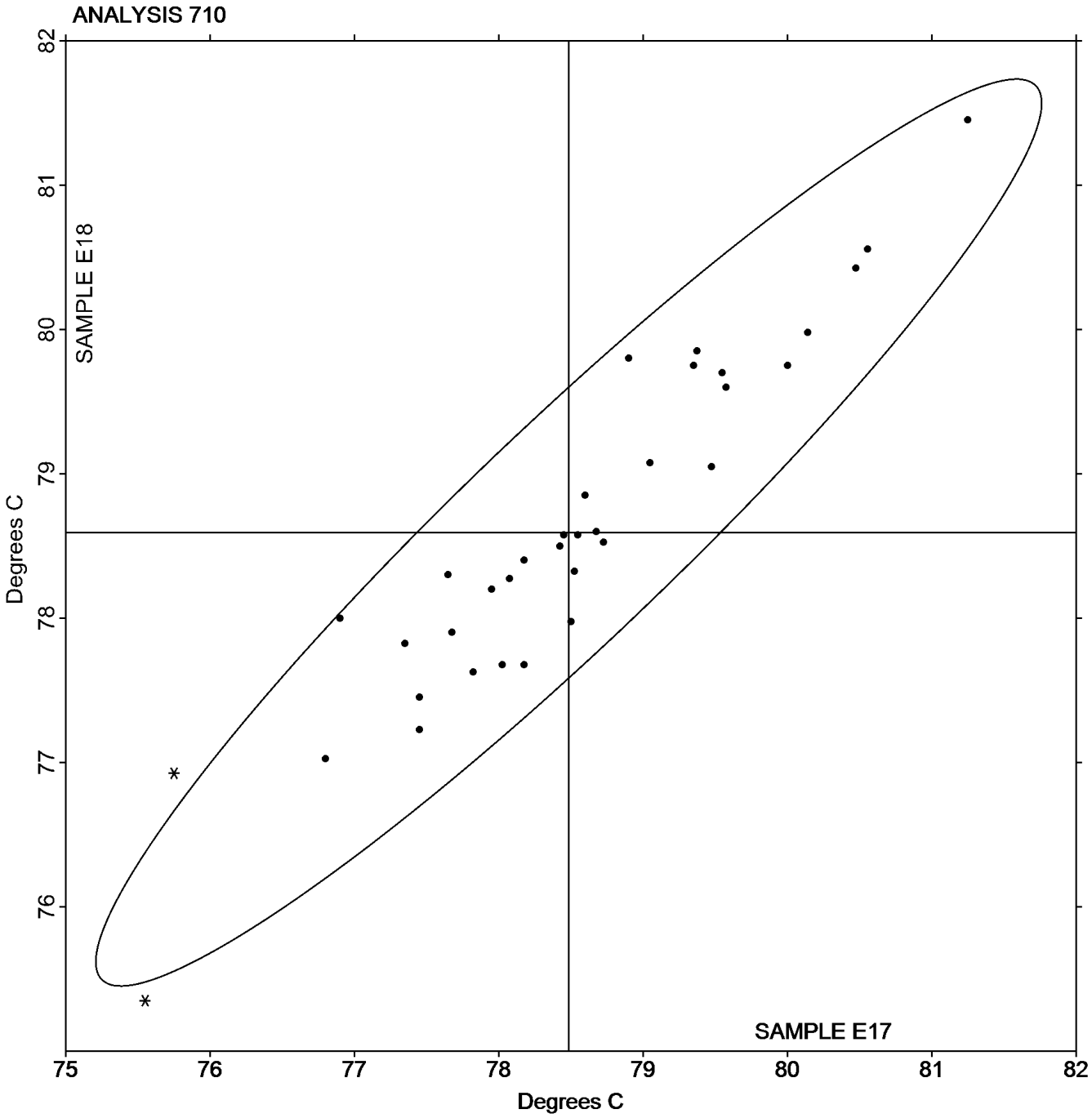
(AT) - Atlas
(CE) - Ceast
(DN) - DYNISCO
(RO) - Rosand
(RR) - Ray-Ran
(TO) - Tinius Olsen
(TY) - Toyoseiki
(XA) - Special In-House Instrument
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 710

Deflection Temp. Under Flexural Load (1.82 MPa) - Degrees C

Grand Mean Sample E17: 78.484 Degrees C Grand Mean Sample E18: 78.593 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 711

Deflection Temp. Under Flexural Load (0.455 MPa) - Degrees C

WebCode	Data Flag	Sample G17 Lab Mean	Sample G17 Diff from Grand Mean	Sample G17 CPV	Sample G18 Lab Mean	Sample G18 Diff from Grand Mean	Sample G18 CPV	Instr Code
3J8XRL		67.5	-0.1	-0.09	67.7	0.7	0.50	TO
4BZVML		67.3	-0.3	-0.25	66.1	-0.9	-0.69	CE
4U2622		68.1	0.5	0.46	68.1	1.1	0.80	XX
6XNAU9		67.2	-0.4	-0.34	66.3	-0.7	-0.53	CE
79LRGA		67.2	-0.3	-0.27	67.5	0.5	0.39	TO
942JEX		65.6	-2.0	-1.65	64.2	-2.8	-2.05	RR
9WXLD9		70.4	2.8	2.33	69.9	2.9	2.10	RO
CW4VJY		66.0	-1.5	-1.27	65.1	-1.9	-1.37	XX
H8NNPX		67.9	0.3	0.25	66.0	-1.0	-0.71	CE
J6VDJX		69.4	1.8	1.52	68.4	1.4	1.00	CE
L7CPRY		68.4	0.9	0.73	67.2	0.2	0.17	CE
MVZKKH		68.3	0.7	0.60	66.8	-0.2	-0.16	TO
NULXPZ		67.6	0.1	0.07	68.3	1.3	0.99	XX
QUUC36		66.7	-0.8	-0.69	66.6	-0.4	-0.27	XX
VJH684		66.6	-1.0	-0.79	67.1	0.1	0.10	TO
WQVHKT		66.8	-0.7	-0.61	66.6	-0.4	-0.29	TO

Summary Statistics

	Sample G17	Sample G18
Grand Means	67.55 Degrees C	66.99 Degrees C
Stnd Dev Btwn Labs	1.20 Degrees C	1.36 Degrees C

Statistics based on 16 of 16 reporting participants

Sample G17: PP & Sample G18: PP

Instrument Code List as Reported by the Labs

(CE) - Ceast

(RO) - Rosand

(RR) - Ray-Ran

(TO) - Tinius Olsen

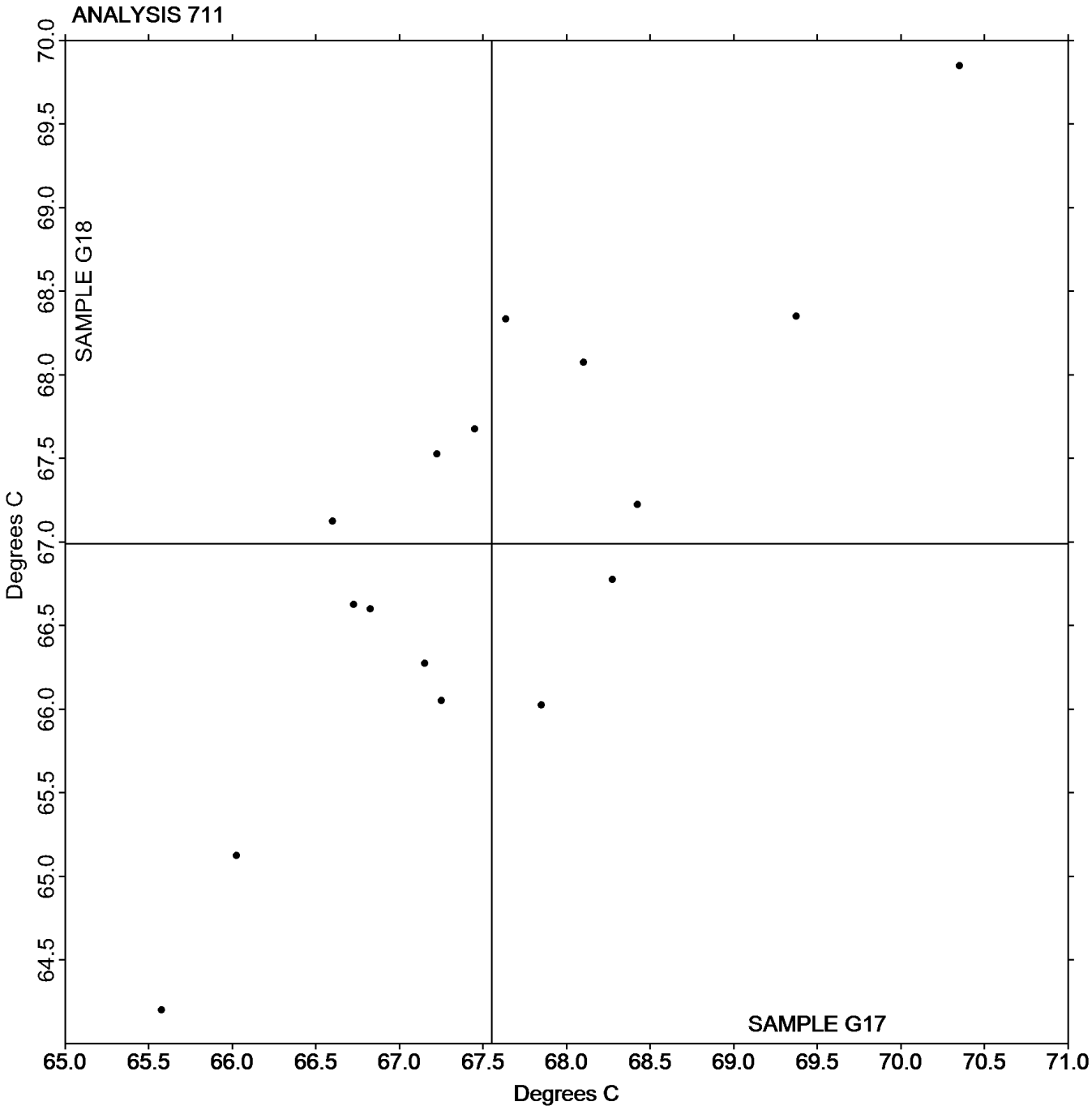
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 711

Deflection Temp. Under Flexural Load (0.455 MPa) - Degrees C

Grand Mean Sample G17: 67.552 Degrees C Grand Mean Sample G18: 66.990 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 712

Temp. of Deflection Under Flexural Load (1.80 MPa) - Degrees C

WebCode	Data Flag	Sample N17 Lab Mean	Sample N17 Diff from Grand Mean	Sample N17 CPV	Sample N18 Lab Mean	Sample N18 Diff from Grand Mean	Sample N18 CPV	Instr Code
2KL8ZP		85.53	1.88	1.58	85.23	1.66	1.39	CE
2L8UHQ		81.70	-1.95	-1.64	81.60	-1.96	-1.64	CE
2Y62T7		84.65	1.00	0.84	84.53	0.96	0.80	XX
3AHJZY		84.58	0.93	0.78	84.45	0.89	0.74	CF
3RFG6T		83.28	-0.37	-0.31	83.53	-0.04	-0.03	XX
4946TB		82.45	-1.20	-1.01	82.03	-1.54	-1.28	TO
4WW22M	X	84.48	0.83	0.69	80.80	-2.76	-2.31	DN
6BFX3E		83.60	-0.05	-0.04	83.63	0.06	0.05	AT
6J6RRK	X	81.40	-2.25	-1.89	83.48	-0.09	-0.07	XX
987HZH		82.35	-1.30	-1.09	82.45	-1.11	-0.93	TO
9NH7DZ		83.93	0.28	0.23	83.78	0.21	0.18	AT
AJEUFD		83.90	0.25	0.21	84.18	0.61	0.51	XX
B4NNFN		83.53	-0.12	-0.10	83.45	-0.11	-0.09	CE
CKU3J8		82.83	-0.82	-0.69	82.88	-0.69	-0.57	TO
CKVX4U		83.83	0.18	0.15	83.73	0.16	0.14	TO
D3DBER		84.78	1.13	0.95	85.23	1.66	1.39	XX
DGNHMT		83.33	-0.32	-0.27	82.93	-0.64	-0.53	XX
E6FWHB		85.18	1.53	1.28	85.33	1.76	1.47	TO
FAYKAP		83.28	-0.37	-0.31	82.88	-0.69	-0.57	XX
FLJHDP		83.30	-0.35	-0.29	83.63	0.06	0.05	XX
FYVPXG		84.33	0.68	0.57	84.35	0.79	0.66	AT
GB2LG7		83.83	0.18	0.16	83.47	-0.10	-0.08	CF
JMBP3C		82.48	-1.17	-0.99	82.38	-1.19	-0.99	XX
KEGYYF		81.33	-2.32	-1.95	81.38	-2.19	-1.83	CE
MNCXJ2		83.53	-0.12	-0.10	82.80	-0.76	-0.64	TY
N2JAF9		82.80	-0.85	-0.71	82.75	-0.81	-0.68	TO
NX4GZ2	X	90.10	6.45	5.42	90.08	6.51	5.44	CE
NXXXQ3	X	88.20	4.55	3.82	88.65	5.09	4.25	TO
PDR87X		84.90	1.25	1.05	84.13	0.56	0.47	AT
PWZNXP	X	80.15	-3.50	-2.94	82.60	-0.96	-0.80	CE
T6MDKC		83.43	-0.22	-0.19	83.40	-0.16	-0.14	CE
VARQCX		82.45	-1.20	-1.01	82.48	-1.09	-0.91	CE

Plastics Interlaboratory Testing Program

Analysis 712

Temp. of Deflection Under Flexural Load (1.80 MPa) - Degrees C

WebCode	Data Flag	Sample N17 Lab Mean	Sample N17 Diff from Grand Mean	Sample N17 CPV	Sample N18 Lab Mean	Sample N18 Diff from Grand Mean	Sample N18 CPV	Instr Code
VVP36C		85.05	1.40	1.18	84.43	0.86	0.72	AT
WGZY6F		83.33	-0.32	-0.27	83.35	-0.21	-0.18	CF
XLZXCJ		82.70	-0.95	-0.80	83.03	-0.54	-0.45	TO
XPDJKC	*	87.00	3.35	2.81	87.13	3.56	2.98	QA

Summary Statistics

	Sample N17		Sample N18	
Grand Means	83.649	Degrees C	83.563	Degrees C
Stnd Dev Btwn Labs	1.191	Degrees C	1.197	Degrees C

Statistics based on 31 of 36 reporting participants

Sample N17: HIPS & Sample N18: HIPS

Comments on assigned Data Flags for Test #712

4WW22M (X) - Inconsistent in testing between samples and inconsistent in testing within both samples.

6J6RRK (X) - Inconsistent in testing between samples.

NX4GZ2 (X) - Data for both samples are high.

NXXXQ3 (X) - Data for both samples are high.

PWZNXP (X) - Inconsistent in testing between samples, data for Sample N17 are low. Also Inconsistent in testing within both samples.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CF) - Coesfeld

(DN) - DYNISCO

(QA) - Qualitest

(TO) - Tinius Olsen

(TY) - Toyoseiki

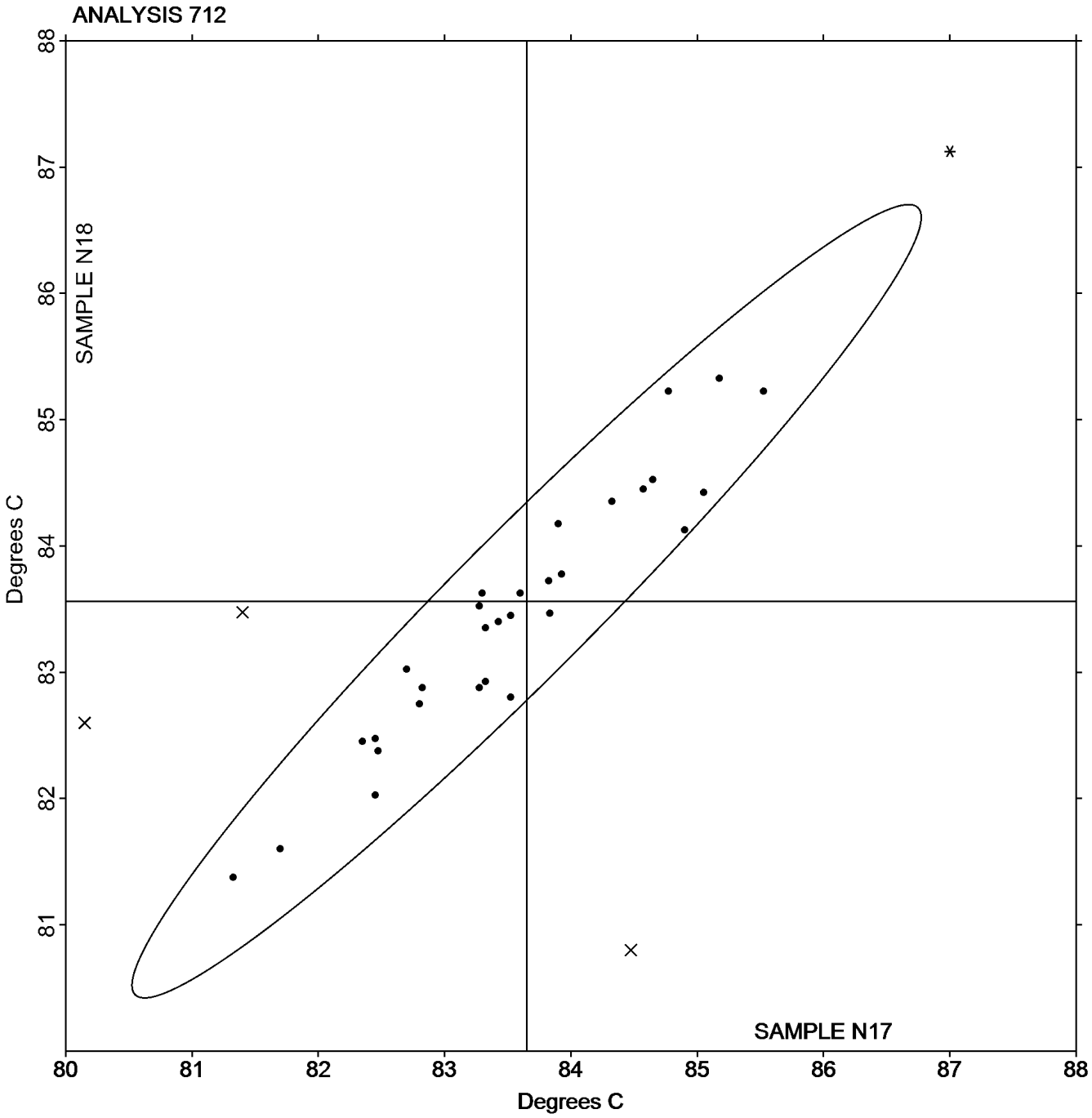
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 712

Temp. of Deflection Under Flexural Load (1.80 MPa) - Degrees C

Grand Mean Sample N17: 83.649 Degrees C Grand Mean Sample N18: 83.563 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 715

Vicat Softening Temperature (Rate A)

WebCode	Data Flag	Sample H17 Lab Mean	Sample H17 Diff from Grand Mean	Sample H17 CPV	Sample H18 Lab Mean	Sample H18 Diff from Grand Mean	Sample H18 CPV	Instr Code
22P78V		100.78	0.46	0.53	100.12	0.09	0.10	TO
4TXCA4		100.07	-0.26	-0.30	99.63	-0.40	-0.44	TO
6ZP8MD	*	102.68	2.36	2.75	102.52	2.49	2.76	DN
7HKLJR		100.17	-0.16	-0.19	99.73	-0.30	-0.33	AT
7WP4NA	M	No data reported for this sample			100.74	0.71	0.79	CE
8VHZWX		99.65	-0.68	-0.79	99.77	-0.26	-0.29	AT
9GRFMC		100.77	0.44	0.51	100.50	0.47	0.52	AT
A3RCQJ		98.75	-1.58	-1.84	98.57	-1.46	-1.62	CE
CYNRYC		100.27	-0.06	-0.07	100.07	0.04	0.04	CF
D84RA8		100.40	0.07	0.08	100.32	0.29	0.32	XX
EBP4BX		98.97	-1.36	-1.59	98.87	-1.16	-1.29	XX
ELNWMY		100.65	0.32	0.38	100.32	0.29	0.32	CE
KF9PXM	*	102.13	1.81	2.11	102.32	2.29	2.54	CF
KFTDHK		100.78	0.46	0.53	100.38	0.35	0.39	CE
LXCV9M		99.98	-0.34	-0.40	99.38	-0.65	-0.72	AT
R9J3Q2		100.10	-0.23	-0.27	99.92	-0.11	-0.13	RO
RRVNNH		100.45	0.12	0.14	99.78	-0.25	-0.27	CE
RVADQF		100.67	0.34	0.40	100.35	0.32	0.35	RR
V7P7ZU		99.72	-0.61	-0.71	99.75	-0.28	-0.31	TY
W3HY3Z		99.39	-0.94	-1.09	99.02	-1.01	-1.12	CE
WD3F3G		99.65	-0.68	-0.79	99.52	-0.51	-0.57	CF
WDK4AV		101.63	1.31	1.52	101.42	1.39	1.54	XX
WEYZU3		100.28	-0.04	-0.05	100.05	0.02	0.02	TO
WP263M		100.08	-0.24	-0.28	99.55	-0.48	-0.53	CE
X4AQLN		100.35	0.02	0.03	99.50	-0.53	-0.59	CE
YKRATF		99.92	-0.41	-0.48	99.75	-0.28	-0.31	CE
ZCMXNX		100.22	-0.11	-0.13	99.70	-0.33	-0.37	CE

Plastics Interlaboratory Testing Program
Analysis 715
Vicat Softening Temperature (Rate A)

Summary Statistics

Grand Means		
	100.327 Degrees C	100.030 Degrees C
Stnd Dev Btwn Labs		
	0.857 Degrees C	0.902 Degrees C

Statistics based on 26 of 27 reporting participants

Sample H17: ABS/PC & Sample H18: ABS/PC

Comments on assigned Data Flags for Test #715

7WP4NA (M) - Laboratory did not submit data for Sample H17.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CF) - Coesfeld

(DN) - DYNISCO

(RO) - Rosand

(RR) - Ray-Ran

(TO) - Tinius Olsen

(TY) - Toyoseiki

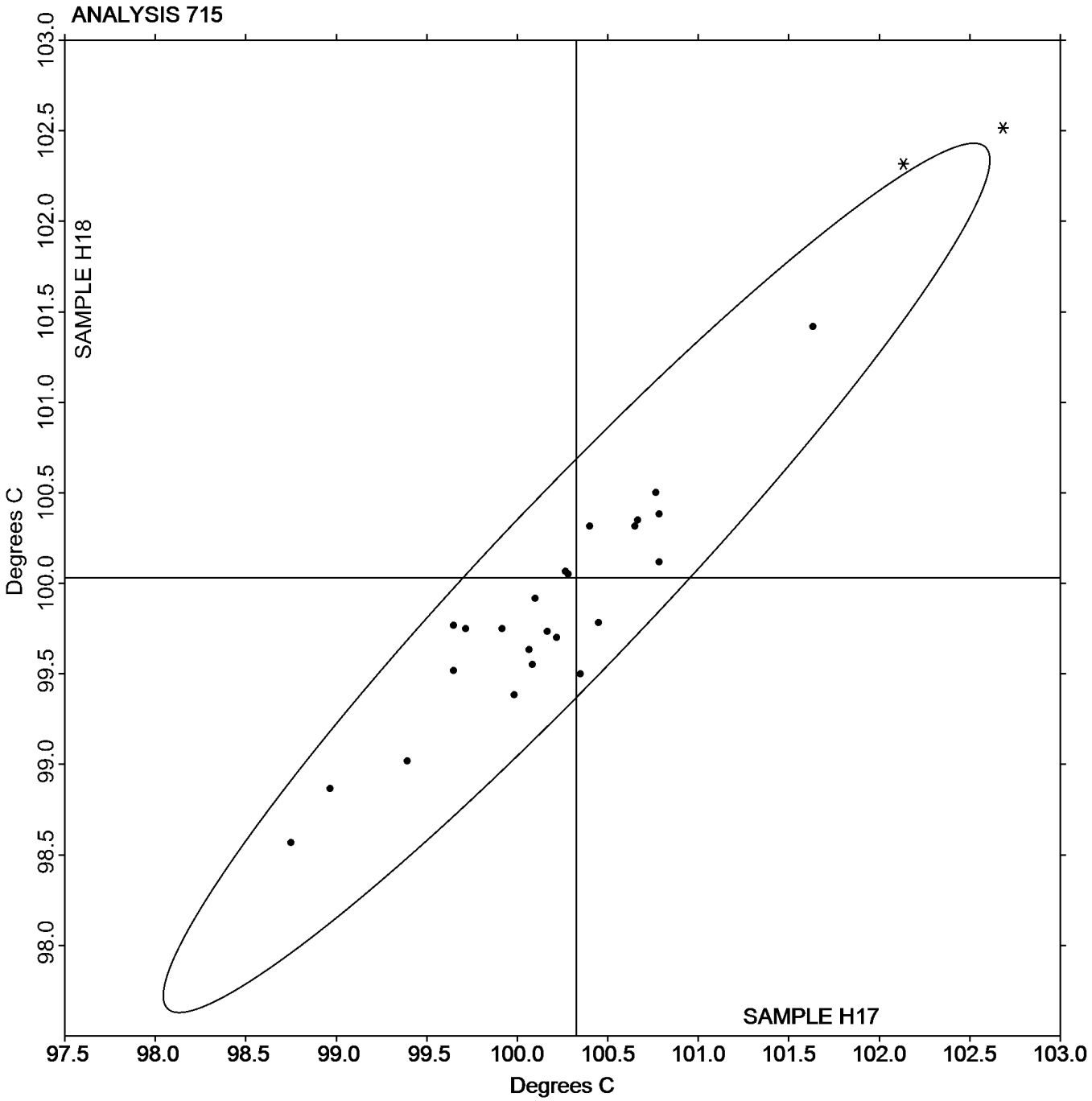
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 715

Vicat Softening Temperature (Rate A)

Grand Mean Sample H17: 100.33 Degrees C Grand Mean Sample H18: 100.03 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 716

Vicat Softening Temperature (Rate B)

WebCode	Data Flag	Sample R17 Lab Mean	Sample R17 Diff from Grand Mean	Sample R17 CPV	Sample R18 Lab Mean	Sample R18 Diff from Grand Mean	Sample R18 CPV	Instr Code
2HTU9U		102.55	0.09	0.12	102.13	0.00	0.00	RO
42GUDV		102.52	0.06	0.07	102.23	0.10	0.13	CE
4C3WVL	X	94.47	-7.99	-10.52	94.73	-7.40	-9.76	CF
6J2HCT		101.17	-1.29	-1.70	100.91	-1.22	-1.61	XX
6JYT8U		103.08	0.62	0.82	102.58	0.45	0.59	AT
6Y4VGG		103.42	0.96	1.26	103.02	0.88	1.17	AT
7NBK6B		103.52	1.06	1.39	103.12	0.99	1.30	CE
82EKED		101.73	-0.73	-0.96	101.40	-0.73	-0.97	TO
9N4NHP		102.02	-0.44	-0.58	101.97	-0.17	-0.22	CE
C7NACY	*	102.68	0.22	0.29	101.70	-0.43	-0.57	CE
D6EAEW		102.12	-0.34	-0.45	101.68	-0.45	-0.59	AT
D93UCG		100.87	-1.59	-2.10	100.48	-1.65	-2.17	CE
EULKJ2		102.48	0.02	0.03	102.17	0.03	0.05	CE
EXVD3V		102.55	0.09	0.12	102.48	0.35	0.46	WZ
F6WJLB		103.68	1.22	1.61	103.43	1.30	1.72	CF
GXL9F3		103.05	0.59	0.78	102.52	0.38	0.51	DN
LYE6GQ		101.03	-1.44	-1.89	100.82	-1.32	-1.73	CE
MVAZU7	X	103.68	1.22	1.61	104.57	2.43	3.21	XX
RKQCGR		101.85	-0.61	-0.80	101.53	-0.60	-0.79	TO
TCE6DX		102.33	-0.13	-0.17	102.23	0.10	0.13	TY
U93VE6		103.10	0.64	0.84	103.23	1.10	1.45	XX
W6EKCU		102.68	0.22	0.29	102.37	0.23	0.31	TO
X73WEV		102.82	0.36	0.47	102.52	0.38	0.51	TO
XQ84MN		102.97	0.51	0.67	102.28	0.15	0.20	XX
Z9E4KX		102.38	-0.08	-0.10	102.23	0.10	0.13	TO
ZBTWY9	X	107.15	4.69	6.17	106.93	4.80	6.33	RR

Plastics Interlaboratory Testing Program
Analysis 716
Vicat Softening Temperature (Rate B)

Summary Statistics

Grand Means				
	102.461	Degrees C	102.132	Degrees C
Stnd Dev Btwn Labs				
	0.760	Degrees C	0.758	Degrees C

Statistics based on 23 of 26 reporting participants

Sample R17: ABS/PC & Sample R18: ABS/PC

Comments on assigned Data Flags for Test #716

4C3WVL (X) - Data for both samples are low.

MVAZU7 (X) - Inconsistent in testing between samples, data for Sample R18 are high. Also Inconsistent in testing within Sample R17.

ZBTWY9 (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CF) - Coesfeld

(DN) - DYNISCO

(RO) - Rosand

(RR) - Ray-Ran

(TO) - Tinius Olsen

(TY) - Toyoseiki

(WZ) - Zwick

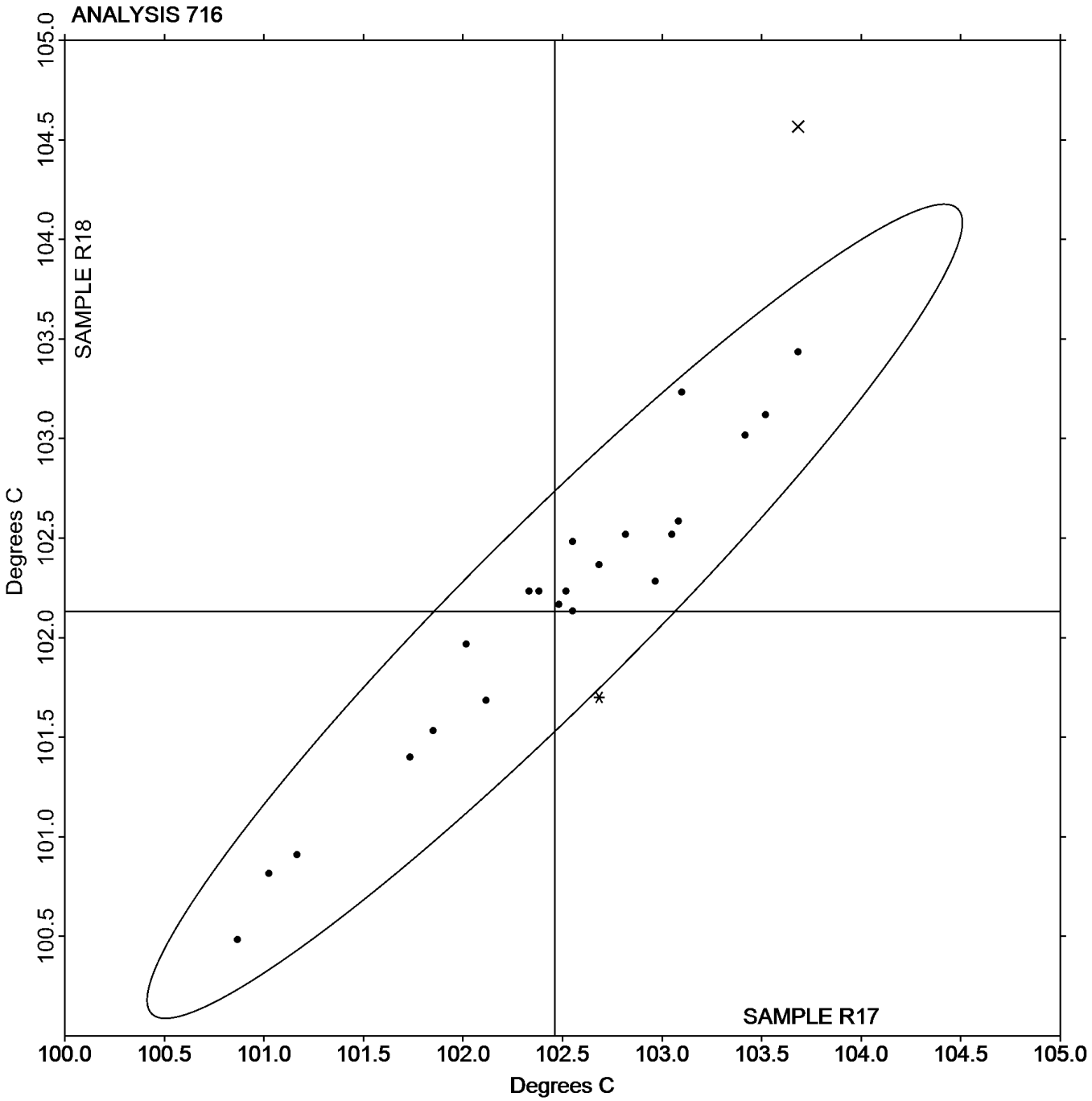
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 716

Vicat Softening Temperature (Rate B)

Grand Mean Sample R17: 102.46 Degrees C Grand Mean Sample R18: 102.13 Degrees C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

WebCode	Data Flag	Sample X17 Lab Mean	Sample X17 Diff from Grand Mean	Sample X17 CPV	Sample X18 Lab Mean	Sample X18 Diff from Grand Mean	Sample X18 CPV	Instr Code
2AQ9VG		6.46	0.19	0.88	6.38	0.11	0.52	TO
2EEFPN		6.40	0.13	0.60	6.35	0.07	0.36	TO
3FJJQW		5.91	-0.36	-1.66	5.98	-0.30	-1.50	TY
3H2TKE		6.60	0.33	1.52	6.55	0.27	1.35	XX
3QMJWL		6.01	-0.26	-1.19	6.06	-0.22	-1.08	TO
4WPPH7		6.44	0.17	0.76	6.42	0.14	0.70	DY
4X83NT		6.18	-0.09	-0.41	6.13	-0.15	-0.73	TO
64KXP8	*	6.87	0.60	2.74	6.83	0.55	2.73	TO
6AT8CE		6.20	-0.07	-0.32	6.35	0.07	0.36	XX
79F3DR		6.29	0.02	0.09	6.24	-0.04	-0.19	TO
7BQDHY		6.18	-0.09	-0.43	6.32	0.04	0.22	GO
7BZZFN		6.03	-0.24	-1.10	6.08	-0.20	-1.01	TO
7KGDYR		6.33	0.06	0.27	6.23	-0.05	-0.25	DY
7YFZ66		6.20	-0.07	-0.32	6.20	-0.08	-0.39	KA
829AK3		6.18	-0.09	-0.44	6.19	-0.09	-0.44	XX
8B7FNQ		6.39	0.12	0.53	6.33	0.05	0.26	TO
8KA6C3		6.25	-0.02	-0.09	6.20	-0.08	-0.39	TO
8U2XZW		5.81	-0.46	-2.12	5.89	-0.39	-1.92	TO
9C68WP	X	6.90	0.63	2.90	6.20	-0.08	-0.39	TY
9DF8TF		5.82	-0.45	-2.07	5.96	-0.32	-1.60	TO
AGBUUR	*	6.25	-0.02	-0.09	6.05	-0.23	-1.13	TO
AGQAYA		6.23	-0.04	-0.20	6.32	0.04	0.21	TO
AHCQH9		6.35	0.08	0.37	6.35	0.07	0.36	TO
ANYY3B		6.45	0.18	0.85	6.55	0.27	1.33	TO
BJFGWY		6.30	0.03	0.14	6.30	0.02	0.11	DY
C7FNQ7		6.25	-0.02	-0.09	6.30	0.02	0.11	TO
CEAFRR		6.20	-0.07	-0.31	6.22	-0.06	-0.27	GO
CVZYNL		6.78	0.51	2.35	6.68	0.40	2.00	KA
D2BJX4	X	5.42	-0.85	-3.93	4.02	-2.26	-11.21	TO
D4U867		6.20	-0.07	-0.32	6.20	-0.08	-0.39	XX
D7Z7G8		6.30	0.03	0.14	6.35	0.07	0.36	TO
DMWH97	X	5.75	-0.52	-2.39	6.15	-0.13	-0.64	TO

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

WebCode	Data Flag	Sample X17 Lab Mean	Sample X17 Diff from Grand Mean	Sample X17 CPV	Sample X18 Lab Mean	Sample X18 Diff from Grand Mean	Sample X18 CPV	Instr Code
DTXNLE	X	5.88	-0.39	-1.82	6.75	0.47	2.31	TO
DYLEX2		6.25	-0.02	-0.08	6.30	0.03	0.13	GO
E4B8NQ		6.15	-0.12	-0.55	6.15	-0.13	-0.64	TO
E99RUV		6.25	-0.02	-0.09	6.30	0.02	0.11	TO
FEZNG4		6.18	-0.09	-0.42	6.16	-0.12	-0.58	TO
FZZU2X	X	5.44	-0.83	-3.84	5.98	-0.30	-1.50	TO
G7W6F2		6.30	0.03	0.14	6.40	0.12	0.60	KA
GQDM7M		6.28	0.01	0.05	6.33	0.05	0.23	WZ
GRYH6B		6.31	0.04	0.19	6.26	-0.02	-0.09	DY
HL7WE6		6.25	-0.02	-0.09	6.24	-0.04	-0.19	TO
J63XLG	*	6.27	0.00	0.02	6.49	0.22	1.07	TO
J77L7C		6.06	-0.21	-0.97	6.00	-0.27	-1.36	QT
JJAR9B	*	5.60	-0.67	-3.08	5.75	-0.53	-2.62	TO
JQGQ3R		6.20	-0.07	-0.32	6.25	-0.03	-0.14	TO
KGZM7T	X	5.48	-0.79	-3.63	6.10	-0.18	-0.88	KA
KPUXCE		6.01	-0.26	-1.21	5.99	-0.28	-1.41	TM
LJXLN3	*	6.84	0.57	2.61	6.76	0.48	2.39	TO
LQFCAL		6.28	0.01	0.05	6.28	0.00	-0.02	TO
MWLE3Q		6.24	-0.03	-0.14	6.25	-0.03	-0.14	TO
N9JZAC		6.26	-0.01	-0.04	6.26	-0.02	-0.09	XX
NMG3K7		5.79	-0.48	-2.23	5.90	-0.38	-1.90	XX
NNAHU9		6.27	0.00	-0.02	6.19	-0.09	-0.46	TY
NXT8D3		6.35	0.08	0.35	6.37	0.09	0.45	TO
PPR6PJ		6.35	0.08	0.37	6.20	-0.08	-0.39	TO
PYQDDJ		6.40	0.13	0.58	6.38	0.10	0.48	TO
Q7LDLF		6.32	0.05	0.23	6.34	0.06	0.31	CE
QATRCN		6.30	0.03	0.13	6.38	0.10	0.50	CE
QECJ77		6.35	0.08	0.37	6.50	0.22	1.10	TO
QWAXDJ		6.20	-0.07	-0.31	6.26	-0.02	-0.09	DY
R9W87N		6.70	0.43	1.98	6.55	0.27	1.35	TO
RZHFLK	X	6.00	-0.27	-1.24	6.30	0.02	0.11	DY
TE732L		6.25	-0.02	-0.07	6.27	0.00	-0.02	TO

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

WebCode	Data Flag	Sample X17 Lab Mean	Sample X17 Diff from Grand Mean	Sample X17 CPV	Sample X18 Lab Mean	Sample X18 Diff from Grand Mean	Sample X18 CPV	Instr Code
U7WGQC		6.10	-0.17	-0.77	6.09	-0.19	-0.93	GO
UBFG4H		6.40	0.13	0.60	6.40	0.12	0.60	TO
UPHYY8		5.98	-0.29	-1.36	5.94	-0.34	-1.70	XX
UYQQ6A		6.44	0.17	0.76	6.43	0.15	0.75	TO
V9V3TQ		6.60	0.33	1.52	6.60	0.32	1.59	TO
VEKQDL		6.32	0.05	0.21	6.17	-0.11	-0.54	DY
VQR76P		6.55	0.28	1.29	6.50	0.22	1.10	DY
WMLJTR		6.24	-0.03	-0.16	6.24	-0.04	-0.19	DY
WWYMCE		6.35	0.08	0.37	6.45	0.17	0.85	AT
XCNH7Q	X	5.65	-0.62	-2.85	6.15	-0.13	-0.64	TO
XHC3JM	*	6.09	-0.18	-0.84	5.93	-0.35	-1.72	CE
XJHJGQ		6.38	0.11	0.49	6.40	0.12	0.58	TO
Y3YLVW		6.25	-0.02	-0.09	6.45	0.17	0.85	DY
Y4Q6QC		6.40	0.13	0.60	6.40	0.12	0.60	TO
YAQTT9		6.10	-0.17	-0.78	6.00	-0.28	-1.38	TO
YBREZQ		6.20	-0.07	-0.32	6.30	0.02	0.11	DY
Z6VV3K		6.44	0.17	0.80	6.45	0.17	0.85	CS
ZFZPNX		6.30	0.03	0.14	6.35	0.07	0.36	TO

Summary Statistics

	Sample X17	Sample X18
Grand Means	6.270 grams/10 mins	6.278 grams/10 mins
Stnd Dev Btwn Labs	0.217 grams/10 mins	0.202 grams/10 mins

Statistics based on 74 of 82 reporting participants

Sample X17: HDPE & Sample X18: HDPE

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

Comments on assigned Data Flags for Test #750

9C68WP (X) - Inconsistent in testing between samples, data for Sample X17 are high. Also Inconsistent in testing within Sample X18.

D2BJX4 (X) - Data for both samples are low.

DMWH97 (X) - Inconsistent in testing between samples.

DTXNLE (X) - Inconsistent in testing between samples and inconsistent in testing within Sample X17.

FZZU2X (X) - Inconsistent in testing between samples, data for Sample X17 are low.

KGZM7T (X) - Inconsistent in testing between samples, data for Sample X17 are low. Also Inconsistent in testing within Sample X17.

RZHFLK (X) - Inconsistent in testing between samples.

XCNH7Q (X) - Inconsistent in testing between samples, data for Sample X17 are low.

Instrument Code List as Reported by the Labs

(AT) - Atlas

(CE) - Ceast

(CS) - CSI

(DY) - Dynisco

(GO) - Gottfert

(KA) - Kayeness

(QT) - Qualitest

(TM) - TMI

(TO) - Tinius Olsen

(TY) - Toyoseiki Seisakusho

(WZ) - Zwick

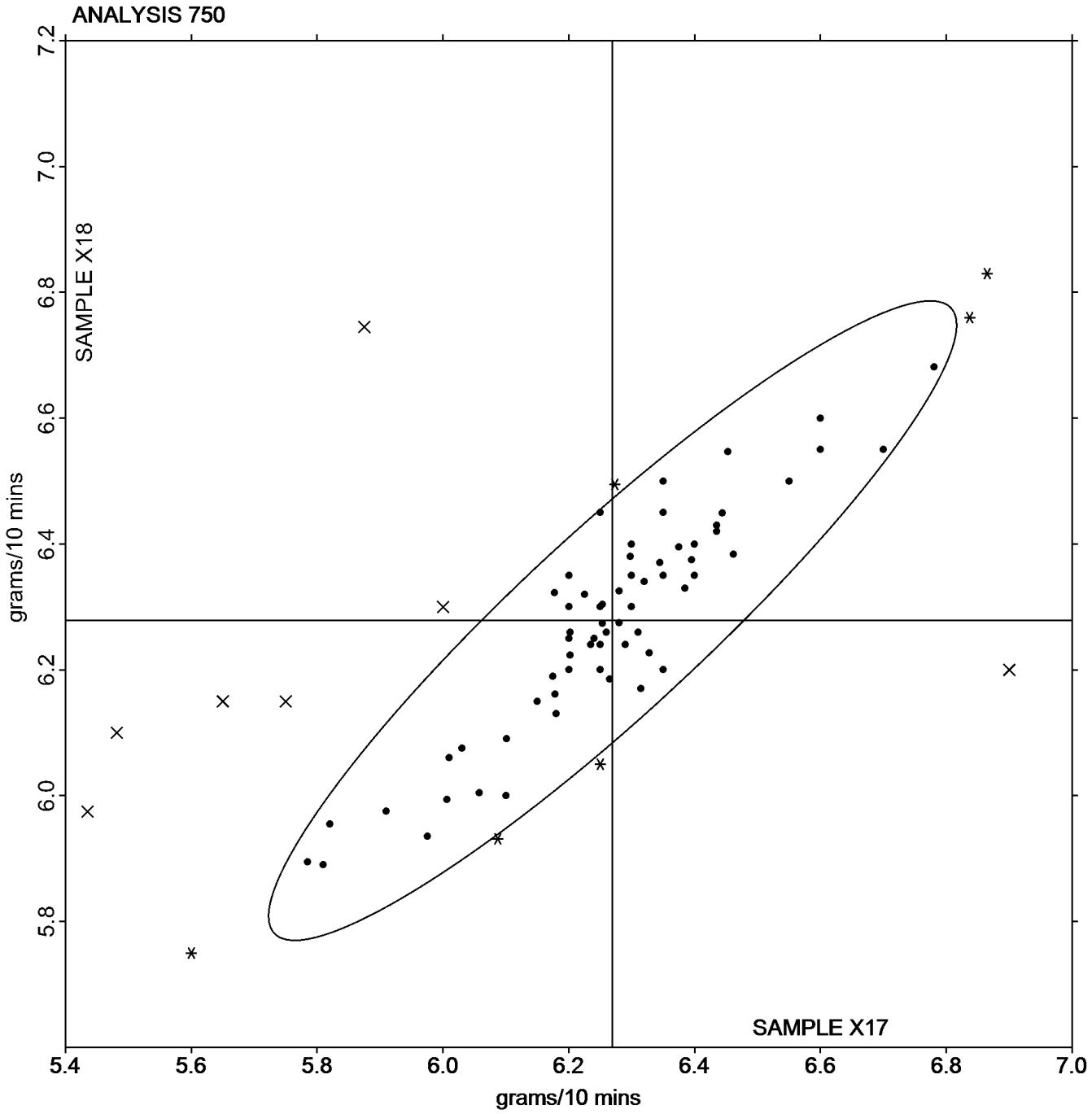
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 750

Flow Rates of Thermoplastics (190 or 230C/2.16 kg) - G/10 mins

Grand Mean Sample X17: 6.2695 grams/10 mins Grand Mean Sample X18: 6.2783 grams/10 mins



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

WebCode	Data Flag	Sample T17 Lab Mean	Sample T17 Diff from Grand Mean	Sample T17 CPV	Sample T18 Lab Mean	Sample T18 Diff from Grand Mean	Sample T18 CPV	Instr Code
2CRFPN		1.14510	0.00085	0.41	1.14367	-0.00074	-0.42	XX
2EQDQG		1.14597	0.00171	0.82	1.14623	0.00182	1.02	XX
2NW2VP		1.14523	0.00098	0.47	1.14457	0.00016	0.09	XX
3AYYVV		1.14613	0.00188	0.90	1.14620	0.00179	1.01	XX
3PD7WA		1.14453	0.00028	0.13	1.14477	0.00036	0.20	XX
3T4HJ8		1.14073	-0.00352	-1.69	1.14160	-0.00281	-1.58	XX
4FJFXP		1.14217	-0.00209	-1.00	1.14263	-0.00178	-1.00	XX
4G6EJ7		1.14730	0.00305	1.46	1.14630	0.00189	1.06	XX
4YVNXG		1.14720	0.00295	1.42	1.14677	0.00236	1.32	XX
4Z7TRW		1.14533	0.00108	0.52	1.14593	0.00152	0.86	XX
66ERGC		1.14627	0.00201	0.97	1.14663	0.00222	1.25	XX
6B9KQN	*	1.14067	-0.00359	-1.72	1.14333	-0.00108	-0.61	XX
6LZXCM	*	1.14373	-0.00052	-0.25	1.14583	0.00142	0.80	XX
74Z2RJ		1.14247	-0.00179	-0.86	1.14385	-0.00056	-0.32	XX
792MZU	X	1.14133	-0.00292	-1.40	1.13900	-0.00541	-3.04	XX
7BD4TX		1.14790	0.00365	1.75	1.14807	0.00366	2.06	XX
7WUJBQ		1.14333	-0.00092	-0.44	1.14317	-0.00124	-0.70	XX
7ZHVG6		1.14357	-0.00069	-0.33	1.14353	-0.00088	-0.49	XX
7ZJ9YA		1.14603	0.00178	0.86	1.14650	0.00209	1.17	XX
8C6ZPC		1.14400	-0.00025	-0.12	1.14400	-0.00041	-0.23	XX
8GGXAL		1.14640	0.00215	1.03	1.14640	0.00199	1.12	XX
8HECL6		1.14077	-0.00349	-1.68	1.14090	-0.00351	-1.97	XX
8RBUYT		1.14560	0.00135	0.65	1.14557	0.00116	0.65	XX
9BX6WD		1.14653	0.00228	1.10	1.14617	0.00176	0.99	XX
9DAJU4	X	1.14477	0.00051	0.25	1.14220	-0.00221	-1.24	XX
9RAY32		1.14290	-0.00135	-0.65	1.14267	-0.00174	-0.98	XX
AKHU72		1.14447	0.00021	0.10	1.14383	-0.00058	-0.33	XX
APDYWQ		1.14540	0.00115	0.55	1.14430	-0.00011	-0.06	XX
AQEA6L	*	1.13950	-0.00475	-2.29	1.14153	-0.00288	-1.62	XX
ARYFX6		1.14100	-0.00325	-1.56	1.14133	-0.00308	-1.73	XX
AW3AQK		1.14167	-0.00259	-1.24	1.14300	-0.00141	-0.79	XX
BFWD69	X	1.14200	-0.00225	-1.08	1.14633	0.00192	1.08	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

		Sample T17			Sample T18			
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	Instr Code
BWYQAX		1.14360	-0.00065	-0.31	1.14473	0.00032	0.18	XX
BX7WPP		1.14547	0.00121	0.58	1.14553	0.00112	0.63	XX
C9TNXM		1.14323	-0.00102	-0.49	1.14437	-0.00004	-0.03	XX
CMPHHR		1.14530	0.00105	0.50	1.14573	0.00132	0.74	XX
D7TRJQ	X	1.13833	-0.00592	-2.85	1.13733	-0.00708	-3.98	XX
DAWQA4		1.14226	-0.00200	-0.96	1.14276	-0.00165	-0.93	XX
DELRMQ		1.14507	0.00081	0.39	1.14480	0.00039	0.22	XX
DKTXU2		1.14200	-0.00225	-1.08	1.14333	-0.00108	-0.61	XX
DLBAUP		1.14207	-0.00219	-1.05	1.14197	-0.00244	-1.37	XX
DLRN2Y		1.14170	-0.00255	-1.23	1.14290	-0.00151	-0.85	XX
EMNFLZ		1.14067	-0.00359	-1.72	1.14167	-0.00274	-1.54	XX
EMNRCV	X	1.13847	-0.00579	-2.78	1.13200	-0.01241	-6.98	XX
EQWJTC		1.14643	0.00218	1.05	1.14620	0.00179	1.01	XX
EVRT6P		1.14533	0.00108	0.52	1.14500	0.00059	0.33	XX
FLJYK2		1.14089	-0.00336	-1.62	1.14152	-0.00289	-1.63	XX
FPMZ6R		1.14497	0.00071	0.34	1.14573	0.00132	0.74	XX
FUYJ7T		1.14597	0.00171	0.82	1.14647	0.00206	1.16	XX
GEHHQU		1.14583	0.00158	0.76	1.14553	0.00112	0.63	XX
GLVLC8	X	1.14333	-0.00092	-0.44	1.14667	0.00226	1.27	XX
HKZT8V		1.14240	-0.00185	-0.89	1.14240	-0.00201	-1.13	XX
HMJUX8	*	1.14307	-0.00119	-0.57	1.14167	-0.00274	-1.54	XX
HRNEKZ		1.14873	0.00448	2.15	1.14770	0.00329	1.85	XX
J4GLDG		1.14647	0.00221	1.06	1.14707	0.00266	1.49	XX
JW2J6Z		1.14577	0.00151	0.73	1.14617	0.00176	0.99	XX
K6ACXC		1.14587	0.00161	0.78	1.14580	0.00139	0.78	XX
KC7T78		1.14460	0.00035	0.17	1.14417	-0.00024	-0.14	XX
KJBJX9	X	1.14417	-0.00009	-0.04	1.14730	0.00289	1.62	XX
LKVYLR		1.14543	0.00118	0.57	1.14587	0.00146	0.82	XX
LX3PCV	X	1.15100	0.00674	3.24	1.15061	0.00620	3.49	XX
M2HZX6		1.14200	-0.00225	-1.08	1.14300	-0.00141	-0.79	XX
M8LWQL		1.14620	0.00195	0.94	1.14563	0.00122	0.69	XX
M9AMGL		1.14282	-0.00144	-0.69	1.14239	-0.00202	-1.14	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

		Sample T17			Sample T18			
WebCode	Data Flag	Lab Mean	Diff from Grand Mean	CPV	Lab Mean	Diff from Grand Mean	CPV	Instr Code
N8Z9NC		1.14667	0.00241	1.16	1.14630	0.00189	1.06	XX
NT7Q8T		1.14490	0.00065	0.31	1.14407	-0.00034	-0.19	XX
NZJA8F	X	1.14450	0.00025	0.12	1.15457	0.01016	5.71	XX
NZK2FD		1.14560	0.00135	0.65	1.14530	0.00089	0.50	XX
P34FGQ		1.14500	0.00075	0.36	1.14533	0.00092	0.52	XX
PWW9J4		1.14253	-0.00172	-0.83	1.14173	-0.00268	-1.51	XX
QEP8CW		1.14320	-0.00105	-0.51	1.14403	-0.00038	-0.21	XX
QRWC8X		1.14540	0.00115	0.55	1.14467	0.00026	0.14	XX
QYKQM6		1.14383	-0.00042	-0.20	1.14373	-0.00068	-0.38	XX
RCY4X4		1.14467	0.00041	0.20	1.14433	-0.00008	-0.04	XX
RGZR49		1.14640	0.00215	1.03	1.14557	0.00116	0.65	XX
RKFZVZ	X	1.12767	-0.01659	-7.97	1.13533	-0.00908	-5.11	XX
RPXXZ2		1.14433	0.00008	0.04	1.14367	-0.00074	-0.42	XX
TDXUW8	X	1.15103	0.00678	3.26	1.15457	0.01016	5.71	XX
TGLLHG		1.14307	-0.00119	-0.57	1.14440	-0.00001	-0.01	XX
U2NBGQ		1.14493	0.00068	0.33	1.14487	0.00046	0.26	XX
URZG3C		1.14667	0.00241	1.16	1.14567	0.00126	0.71	XX
VCTBWP		1.14603	0.00178	0.86	1.14603	0.00162	0.91	XX
VDRUTY		1.14470	0.00045	0.22	1.14540	0.00099	0.56	XX
VW4EVW		1.14567	0.00141	0.68	1.14590	0.00149	0.84	XX
W3EYUW	*	1.14000	-0.00425	-2.04	1.14000	-0.00441	-2.48	XX
W4X4P4		1.14523	0.00098	0.47	1.14557	0.00116	0.65	XX
WFAYZF	*	1.13800	-0.00625	-3.01	1.13967	-0.00474	-2.67	XX
WPKKDL	X	1.13700	-0.00725	-3.49	1.13633	-0.00808	-4.54	XX
X8VRZJ		1.14400	-0.00025	-0.12	1.14300	-0.00141	-0.79	XX
XUTXJ4		1.14285	-0.00140	-0.67	1.14455	0.00014	0.08	XX
XW7UQL		1.14400	-0.00025	-0.12	1.14400	-0.00041	-0.23	XX
YJH3T8		1.14630	0.00205	0.98	1.14583	0.00142	0.80	XX
YKJ8KT		1.14367	-0.00059	-0.28	1.14400	-0.00041	-0.23	XX
YL86TE		1.14500	0.00075	0.36	1.14500	0.00059	0.33	XX
ZL39RU	X	1.13860	-0.00565	-2.72	1.13470	-0.00971	-5.46	XX

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

WebCode	Data Flag	Sample T17 Lab Mean	Sample T17 Diff from Grand Mean	Sample T17 CPV	Sample T18 Lab Mean	Sample T18 Diff from Grand Mean	Sample T18 CPV	Instr Code
ZP62X2		1.14437	0.00011	0.05	1.14413	-0.00028	-0.16	XX
ZZ69J4	X	1.13777	-0.00649	-3.12	1.13207	-0.01234	-6.94	XX

Summary Statistics

	Sample T17		Sample T18	
Grand Means	1.144254	sp gr 23/23 C	1.144411	sp gr 23/23 C
Stnd Dev Btwn Labs	0.002080	sp gr 23/23 C	0.001778	sp gr 23/23 C

Statistics based on 83 of 97 reporting participants

Sample T17: ABS/PC & Sample T18: ABS/PC

Comments on assigned Data Flags for Test #718

792MZU (X) - Inconsistent in testing between samples, data for Sample T18 are low. Also Inconsistent in testing within Sample T18.

9DAJU4 (X) - Inconsistent in testing between samples.

BFWD69 (X) - Inconsistent in testing between samples and inconsistent in testing within Sample T18.

D7TRJQ (X) - Data for both samples are low. Also Inconsistent in testing within Sample T18.

EMNRCV (X) - Data for both samples are low. Also Inconsistent in testing within both samples.

GLVLC8 (X) - Inconsistent in testing between samples and inconsistent in testing within Sample T18.

KJBJX9 (X) - Inconsistent in testing between samples.

LX3PCV (X) - Data for both samples are high.

NZJA8F (X) - Inconsistent in testing between samples, data for Sample T18 are high. Also Inconsistent in testing within Sample T18.

RKFZVZ (X) - Data for both samples are low. Also Inconsistent in testing within both samples.

TDXUW8 (X) - Data for both samples are high. Also Inconsistent in testing within both samples.

WPKKDL (X) - Data for both samples are low. Also Inconsistent in testing within Sample T18.

ZL39RU (X) - Inconsistent in testing between samples, data for Sample T18 are low. Also Inconsistent in testing within both samples.

ZZ69J4 (X) - Data for both samples are low. Also Inconsistent in testing within both samples.

Instrument Code List as Reported by the Labs

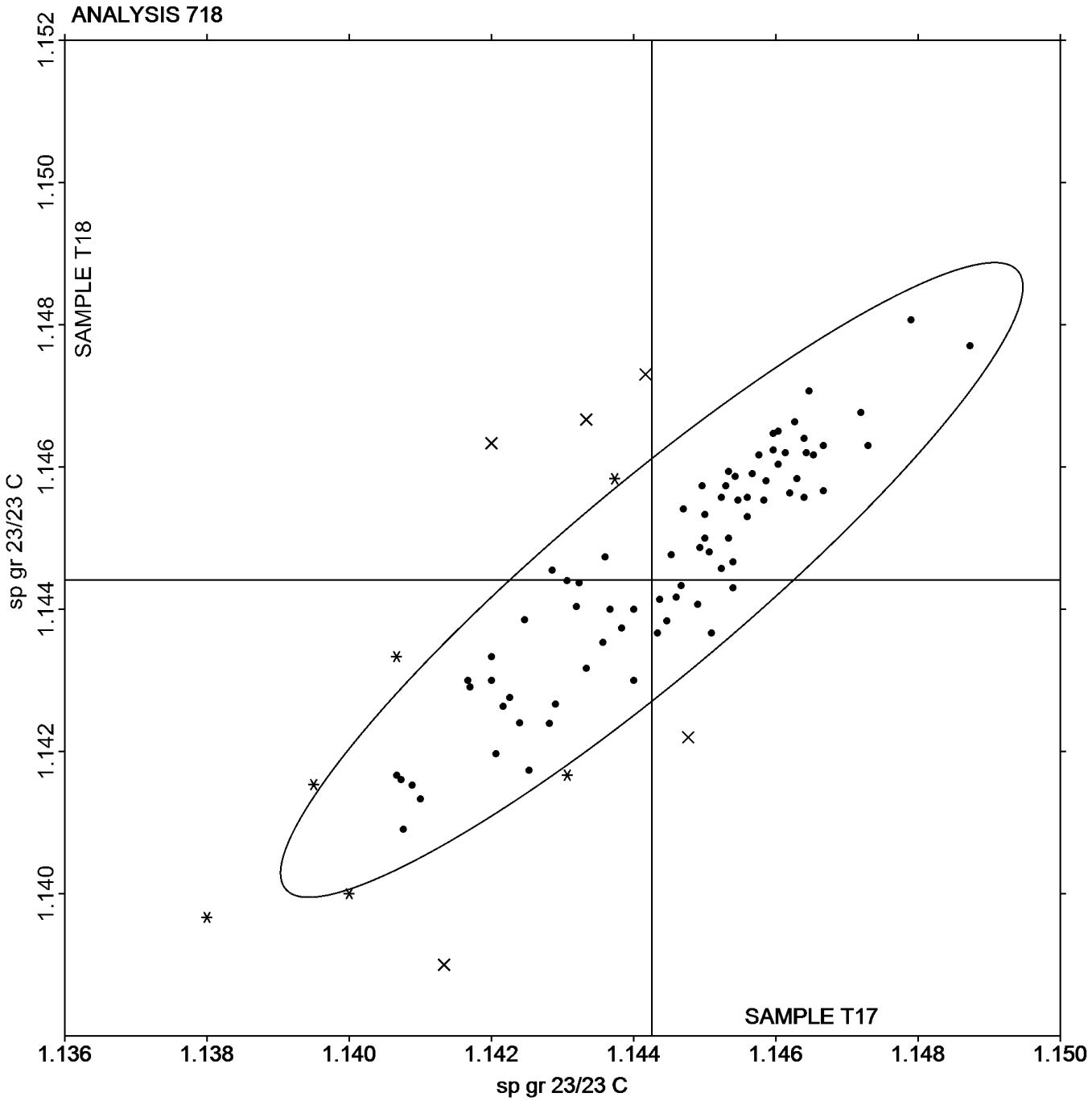
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 718

Specific Gravity - sp gr 23/23 C

Grand Mean Sample T17: 1.1443 sp gr 23/23 C Grand Mean Sample T18: 1.1444 sp gr 23/23 C



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

WebCode	Data Flag	Sample L17 Lab Mean	Sample L17 Diff from Grand Mean	Sample L17 CPV	Sample L18 Lab Mean	Sample L18 Diff from Grand Mean	Sample L18 CPV	Instr Code
2K9U2F		14.960	0.057	0.43	15.130	0.251	1.60	XX
3AR27D		15.105	0.202	1.51	14.795	-0.084	-0.53	XX
3EYXPA		14.785	-0.118	-0.88	14.780	-0.099	-0.63	XX
4AK3F9		14.900	-0.003	-0.02	14.895	0.016	0.10	XX
6H4K84	*	14.735	-0.168	-1.25	15.110	0.231	1.47	XX
7464RU		15.010	0.107	0.80	14.870	-0.009	-0.05	XX
7GPQHX	X	14.570	-0.333	-2.48	14.340	-0.539	-3.42	XX
7RM79F		15.085	0.182	1.36	14.745	-0.134	-0.85	XX
7W22NM		14.990	0.087	0.65	14.957	0.078	0.50	XX
7ZN7BE	*	14.565	-0.338	-2.52	14.535	-0.344	-2.18	XX
82RACG		14.910	0.007	0.06	15.080	0.201	1.28	XX
89UBYQ		14.765	-0.138	-1.03	14.900	0.021	0.14	XX
8HKZBH		14.750	-0.153	-1.14	14.800	-0.079	-0.50	XX
8THF9V		14.715	-0.188	-1.40	14.545	-0.334	-2.12	XX
BWATN3		14.800	-0.103	-0.77	15.000	0.121	0.77	XX
C2VGLX		14.860	-0.043	-0.32	15.000	0.121	0.77	XX
C4DUU6		14.925	0.022	0.17	15.005	0.126	0.80	XX
C66B2W		15.110	0.207	1.55	14.770	-0.109	-0.69	XX
CWMETF		14.840	-0.063	-0.47	14.920	0.041	0.26	XX
D3NTQD		15.075	0.172	1.29	14.975	0.096	0.61	XX
D3ZL6H		15.065	0.162	1.21	14.980	0.101	0.64	XX
DUBTAX		14.760	-0.143	-1.06	14.730	-0.149	-0.94	XX
DWVAEG		14.865	-0.038	-0.28	14.855	-0.024	-0.15	XX
DXB6V9		14.935	0.032	0.24	14.995	0.116	0.74	XX
EBYY87		14.795	-0.108	-0.80	14.665	-0.214	-1.36	XX
F4VPGH		14.975	0.072	0.54	14.895	0.016	0.10	XX
F7ECZA		14.705	-0.198	-1.47	14.750	-0.129	-0.82	XX
FARQ3B		15.118	0.216	1.61	15.065	0.186	1.18	XX
FLVQBL		14.850	-0.053	-0.39	14.900	0.021	0.14	XX
FTC8XJ		14.790	-0.113	-0.84	14.825	-0.054	-0.34	XX
FWKVPZ		14.890	-0.013	-0.09	14.760	-0.119	-0.75	XX
FZU83J		15.011	0.109	0.81	14.876	-0.003	-0.02	XX

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

WebCode	Data Flag	Sample L17 Lab Mean	Sample L17 Diff from Grand Mean	Sample L17 CPV	Sample L18 Lab Mean	Sample L18 Diff from Grand Mean	Sample L18 CPV	Instr Code
HZXBCR		15.060	0.157	1.17	15.040	0.161	1.03	XX
J9XG4T		14.910	0.007	0.06	14.950	0.071	0.45	XX
K7HVYL		14.900	-0.003	-0.02	14.700	-0.179	-1.14	XX
LDBNBJ		15.020	0.117	0.88	14.770	-0.109	-0.69	XX
LQFL79	*	14.600	-0.303	-2.26	14.425	-0.454	-2.88	XX
LRABJP		15.110	0.207	1.55	14.955	0.076	0.49	XX
M96QMZ		15.000	0.098	0.73	15.134	0.256	1.63	XX
NKBQVL		15.040	0.137	1.03	14.850	-0.029	-0.18	XX
PP6E3X		14.980	0.077	0.58	14.995	0.116	0.74	XX
QUAVPR		14.880	-0.023	-0.17	15.115	0.236	1.50	XX
R6K6KR		14.850	-0.053	-0.39	14.950	0.072	0.45	XX
T9FZFJ		14.950	0.047	0.35	14.960	0.081	0.52	XX
TG6FC9		14.763	-0.140	-1.04	14.865	-0.014	-0.09	XX
TLZPFQ	X	14.890	-0.013	-0.09	18.070	3.191	20.28	XX
U3K49H		14.820	-0.083	-0.62	15.020	0.141	0.90	XX
U7ZUHE		14.905	0.002	0.02	14.675	-0.204	-1.29	XX
UVE8AQ		14.990	0.087	0.65	14.870	-0.009	-0.05	XX
VH2D26		14.785	-0.118	-0.88	14.780	-0.099	-0.63	XX
VL3KKH		14.645	-0.258	-1.92	14.900	0.021	0.14	XX
VPADNG		14.955	0.052	0.39	14.935	0.056	0.36	XX
VRBGE8		14.865	-0.038	-0.28	14.580	-0.299	-1.90	XX
WGT39U		15.050	0.147	1.10	14.750	-0.129	-0.82	XX
XARLC3		14.778	-0.125	-0.93	14.864	-0.015	-0.09	XX
YCTGLC		15.045	0.142	1.06	15.085	0.206	1.31	XX
YEATEV		15.058	0.155	1.16	15.014	0.135	0.86	XX
YNGMA3		14.890	-0.013	-0.09	14.875	-0.004	-0.02	XX
YX9KXA		14.980	0.077	0.58	15.140	0.261	1.66	XX
YZLFCV		15.000	0.097	0.73	14.810	-0.069	-0.44	XX
ZRMYRP		14.780	-0.123	-0.91	14.725	-0.154	-0.98	XX

Plastics Interlaboratory Testing Program
Analysis 757
Ash Content in Thermoplastics - Percent

Summary Statistics

Grand Means				
	14.9026	Percent	14.8786	Percent
Stnd Dev Btwn Labs				
	0.1341	Percent	0.1573	Percent

Statistics based on 59 of 61 reporting participants

Sample L17: PBT & Sample L18: PBT

Comments on assigned Data Flags for Test #757

7GPQHX (X) - Low data for Sample L18.

TLZPFQ (X) - High data for Sample L18.

Instrument Code List as Reported by the Labs

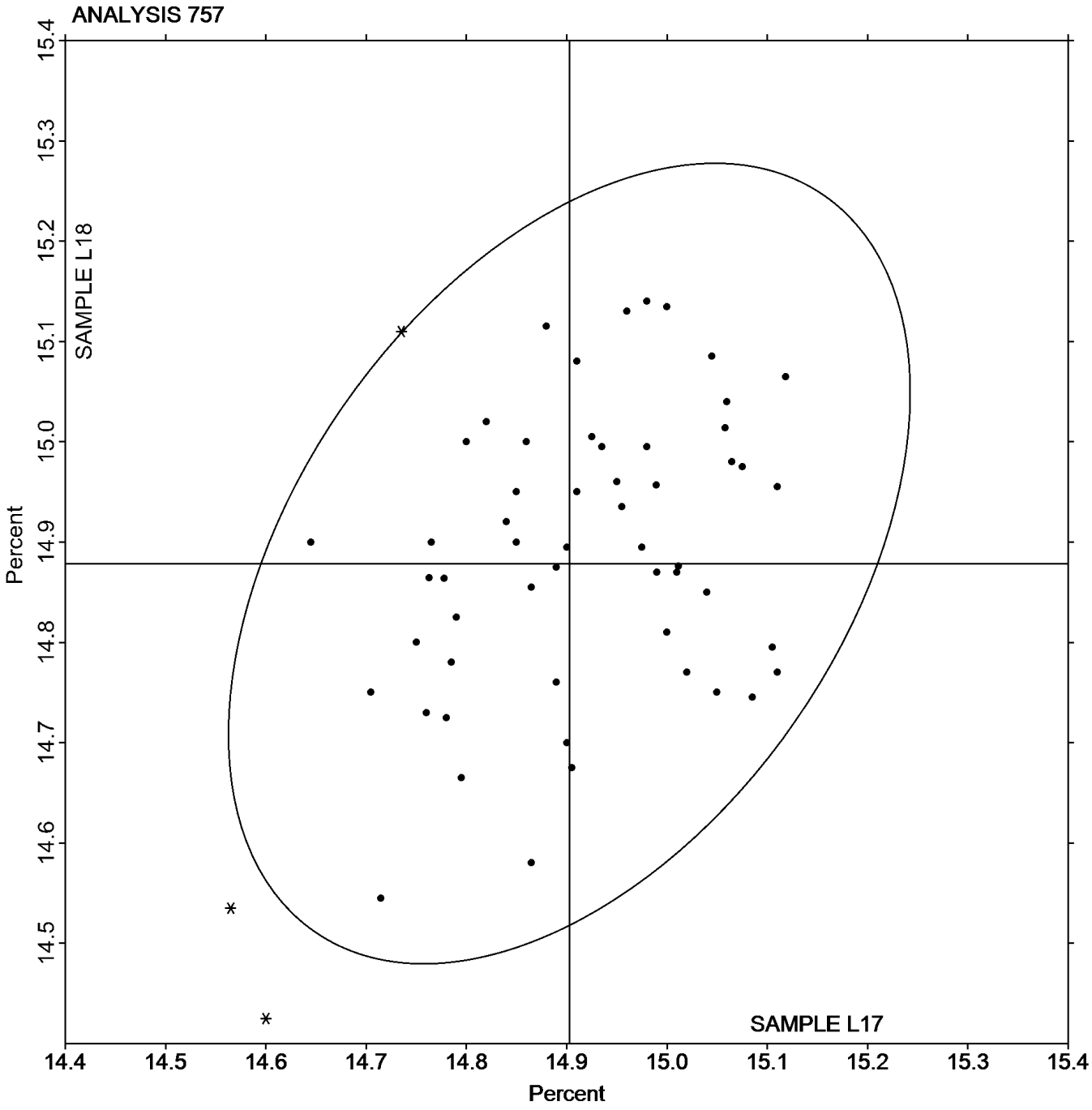
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 757

Ash Content in Thermoplastics - Percent

Grand Mean Sample L17: 14.903 Percent Grand Mean Sample L18: 14.879 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 770

Tensile Stress at Yield, Film Samples - psi

WebCode	Data Flag	Sample B17 Lab Mean	Sample B17 Diff from Grand Mean	Sample B17 CPV	Sample B18 Lab Mean	Sample B18 Diff from Grand Mean	Sample B18 CPV	Instr Code
283EVE		1,927	329	2.23	1,862	277	1.92	LI
33AGZW		1,486	-113	-0.76	1,452	-132	-0.91	XX
3A8PAQ		1,516	-83	-0.56	1,492	-92	-0.64	IN
44JHL2		1,723	125	0.85	1,675	90	0.62	TH
4JE69L		1,612	13	0.09	1,635	51	0.35	MT
67R4B4		1,736	137	0.93	1,688	104	0.72	IN
78H9EG		1,662	63	0.43	1,642	58	0.40	IN
7JN33A		1,294	-304	-2.07	1,261	-324	-2.24	IN
8UC86P		1,580	-19	-0.13	1,573	-12	-0.08	IN
8YTE2P		1,517	-82	-0.55	1,510	-75	-0.52	IN
C4YU7W		1,666	68	0.46	1,689	105	0.72	IN
CE49JV		1,597	-2	-0.01	1,602	18	0.12	MT
EUDUYY		1,652	53	0.36	1,625	41	0.28	TY
EXX2LP		1,398	-200	-1.36	1,387	-198	-1.36	MT
HT7V72		1,573	-26	-0.17	1,552	-32	-0.22	IN
K8VA29		1,390	-208	-1.41	1,392	-192	-1.33	IN
L942PV		1,604	6	0.04	1,586	1	0.01	IM
P6TELV		1,675	76	0.52	1,728	144	0.99	IN
P9VWLX		1,765	166	1.13	1,753	169	1.17	IN

Summary Statistics

	Sample B17	Sample B18
Grand Means	1,598.6 psi	1,584.5 psi
Stnd Dev Btwn Labs	147.3 psi	144.9 psi

Statistics based on 19 of 19 reporting participants

Sample B17: LDPE & Sample B18: LDPE

Plastics Interlaboratory Testing Program

Analysis 770

Tensile Stress at Yield, Film Samples - psi

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(LI) - Lloyd Instruments

(MT) - MTS/Sintech

(TH) - Thwing Albert

(TY) - Toyoseiki

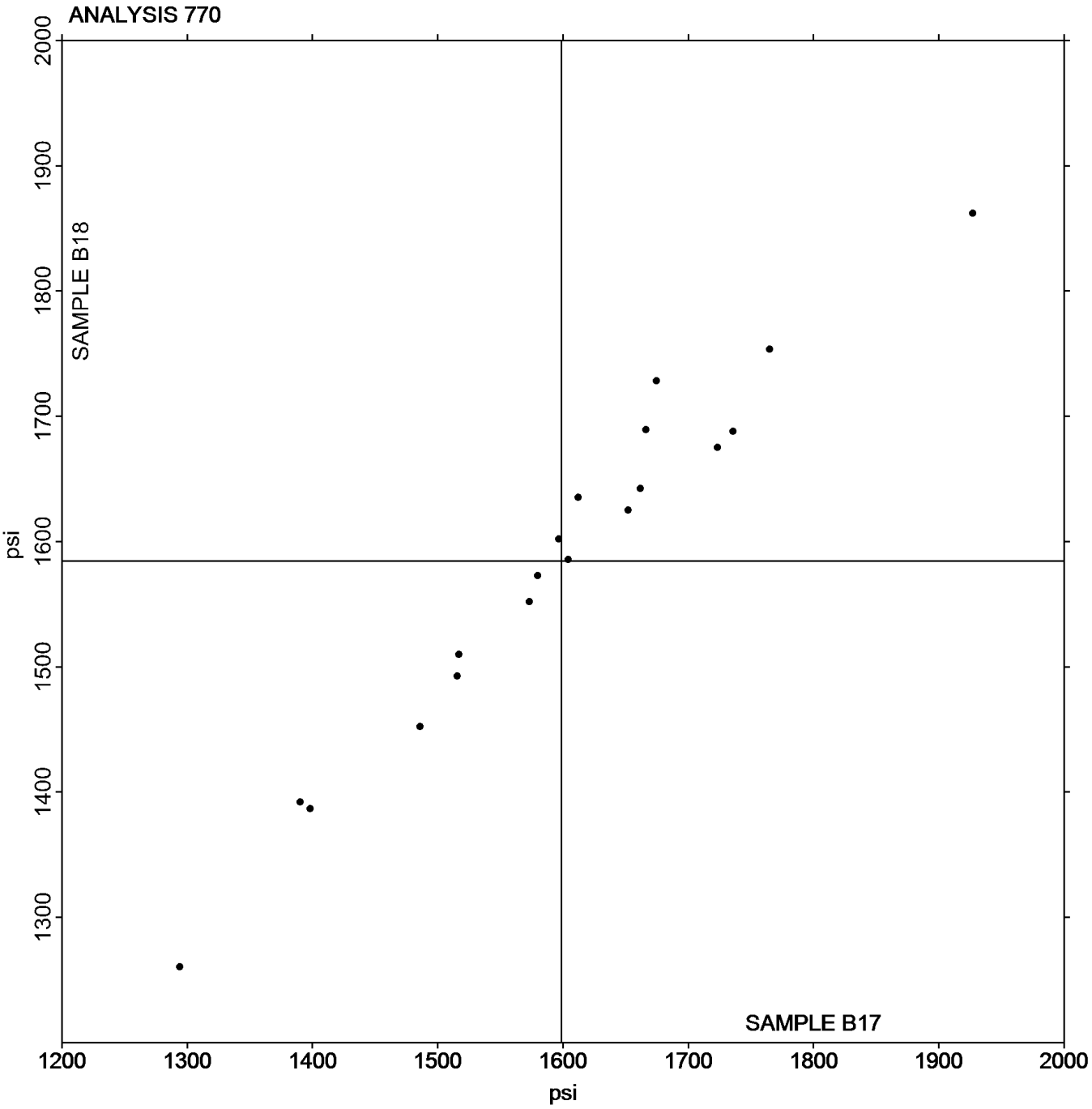
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 770

Tensile Stress at Yield, Film Samples - psi

Grand Mean Sample B17: 1,598.65 psi Grand Mean Sample B18: 1,584.51 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 771

Tensile Stress at Break, Film Samples - psi

WebCode	Data Flag	Sample B17 Lab Mean	Sample B17 Diff from Grand Mean	Sample B17 CPV	Sample B18 Lab Mean	Sample B18 Diff from Grand Mean	Sample B18 CPV	Instr Code
2RRBAV		2,898	-152	-0.53	2,717	-301	-0.96	IN
3GYDMV		2,907	-144	-0.50	3,055	37	0.12	IN
4B77RM		3,125	75	0.26	3,049	31	0.10	IN
7C2AQA		3,171	121	0.42	3,110	93	0.30	IN
7EMJLW		2,936	-114	-0.39	2,829	-189	-0.60	SH
87DWGA		3,427	376	1.30	3,307	289	0.92	LI
88GHP4		2,699	-351	-1.21	2,706	-311	-0.99	IN
9N6Z83		3,248	198	0.68	3,344	326	1.04	IN
B8UXUV		3,015	-35	-0.12	2,867	-151	-0.48	MT
C8NNZV		3,039	-11	-0.04	3,041	23	0.07	MT
CK3ZUU		3,190	139	0.48	3,210	192	0.61	TH
D2XJXN		3,259	209	0.72	3,276	258	0.83	XX
GDBR99		3,150	100	0.34	3,288	270	0.86	IN
JJCYKZ		3,106	56	0.19	3,095	77	0.25	IM
NAXC8R		3,133	83	0.29	3,072	54	0.17	TY
PB4AWH		2,813	-237	-0.82	2,929	-89	-0.28	IN
QEBR3L		3,442	392	1.35	3,363	346	1.10	IN
VKR6AP		3,342	292	1.01	3,188	170	0.54	IN
WJHJET		2,555	-495	-1.71	2,316	-702	-2.24	MT
WY2XAT		3,325	274	0.95	3,347	329	1.05	IN
ZM2CGV		2,276	-775	-2.67	2,263	-755	-2.41	IN

Summary Statistics

	Sample B17	Sample B18
Grand Means	3,050.3 psi	3,017.7 psi
Stnd Dev Btwn Labs	289.9 psi	313.0 psi

Statistics based on 21 of 21 reporting participants

Sample B17: LDPE & Sample B18: LDPE

Plastics Interlaboratory Testing Program

Analysis 771

Tensile Stress at Break, Film Samples - psi

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(LI) - Lloyd Instruments

(MT) - MTS/Sintech

(SH) - Shimadzu

(TH) - Thwing Albert

(TY) - Toyoseiki

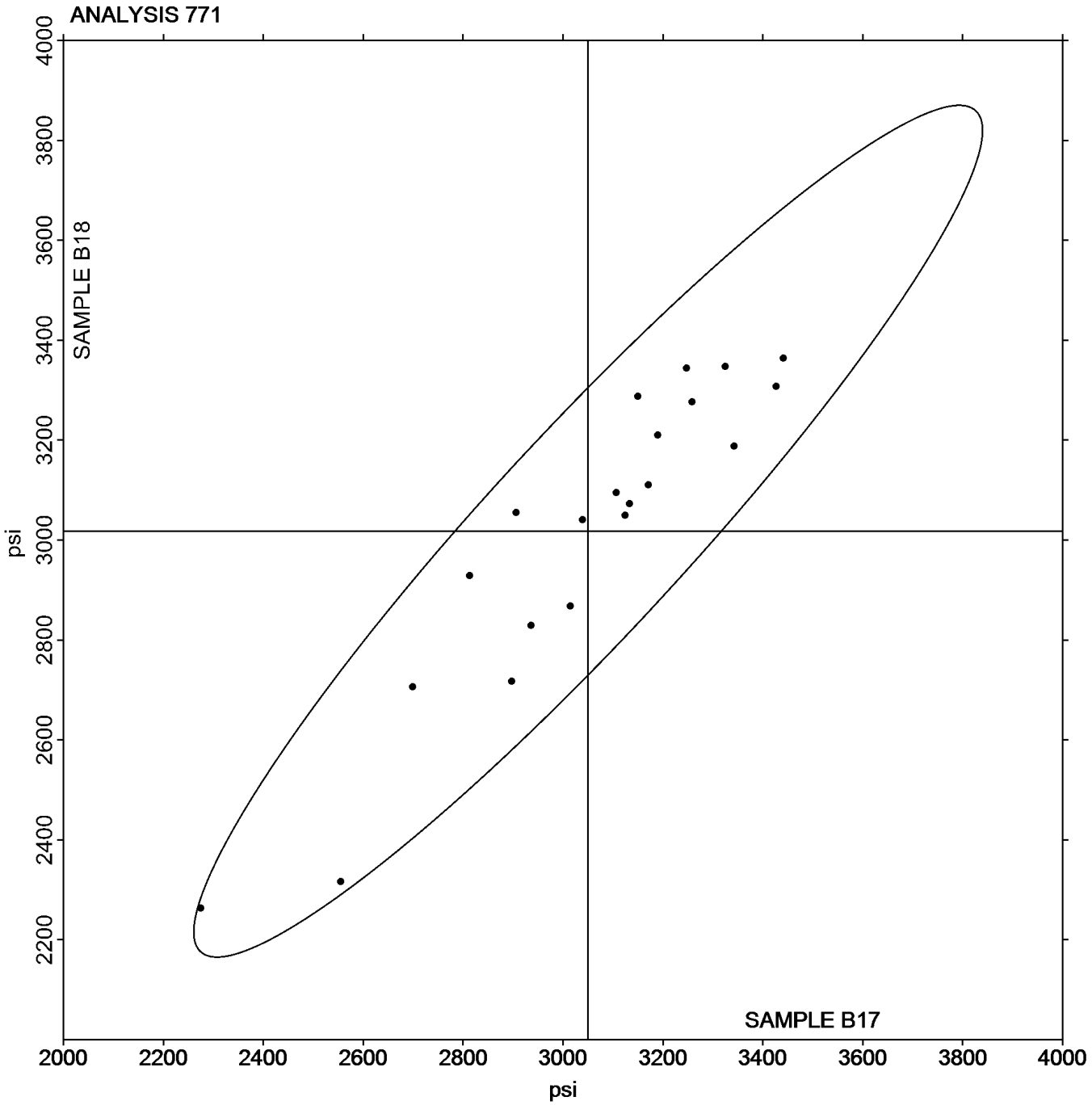
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 771

Tensile Stress at Break, Film Samples - psi

Grand Mean Sample B17: 3,050.26 psi Grand Mean Sample B18: 3,017.71 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 772

Percent Elongation at Yield, Films

WebCode	Data Flag	Sample B17 Lab Mean	Sample B17 Diff from Grand Mean	Sample B17 CPV	Sample B18 Lab Mean	Sample B18 Diff from Grand Mean	Sample B18 CPV	Instr Code
2PMHFX		29.74	-10.07	-0.31	30.04	-10.76	-0.32	IN
49JU4V		88.20	48.39	1.47	90.80	50.00	1.50	IN
BUMGZB		11.43	-28.38	-0.86	11.39	-29.41	-0.88	IN
H8A2HK		67.40	27.58	0.84	71.25	30.44	0.91	XX
HR278A		23.97	-15.84	-0.48	28.20	-12.60	-0.38	MT
JDGX3U		71.52	31.70	0.96	72.20	31.39	0.94	IN
JKAN9P		8.04	-31.77	-0.97	7.72	-33.08	-0.99	MT
K8EFJZ		17.48	-22.33	-0.68	17.04	-23.76	-0.71	IM
P2TKP2		16.16	-23.65	-0.72	16.53	-24.27	-0.73	IN
P7KYA7		104.50	64.69	1.97	105.09	64.28	1.93	IN
RRKU3K		35.80	-4.01	-0.12	36.51	-4.29	-0.13	IN
TEVRFP		17.24	-22.57	-0.69	19.18	-21.62	-0.65	LI
UWLV6H		79.22	39.41	1.20	79.63	38.83	1.16	IN
YE8CRD		21.07	-18.74	-0.57	21.16	-19.64	-0.59	MT
ZAH8GH		5.40	-34.41	-1.05	5.32	-35.49	-1.06	IN

Summary Statistics

	Sample B17	Sample B18
Grand Means	39.811 Percent	40.803 Percent
Stnd Dev Btwn Labs	32.876 Percent	33.350 Percent

Statistics based on 15 of 15 reporting participants

Sample B17: LDPE & Sample B18: LDPE

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(LI) - Lloyd Instruments

(MT) - MTS/Sintech

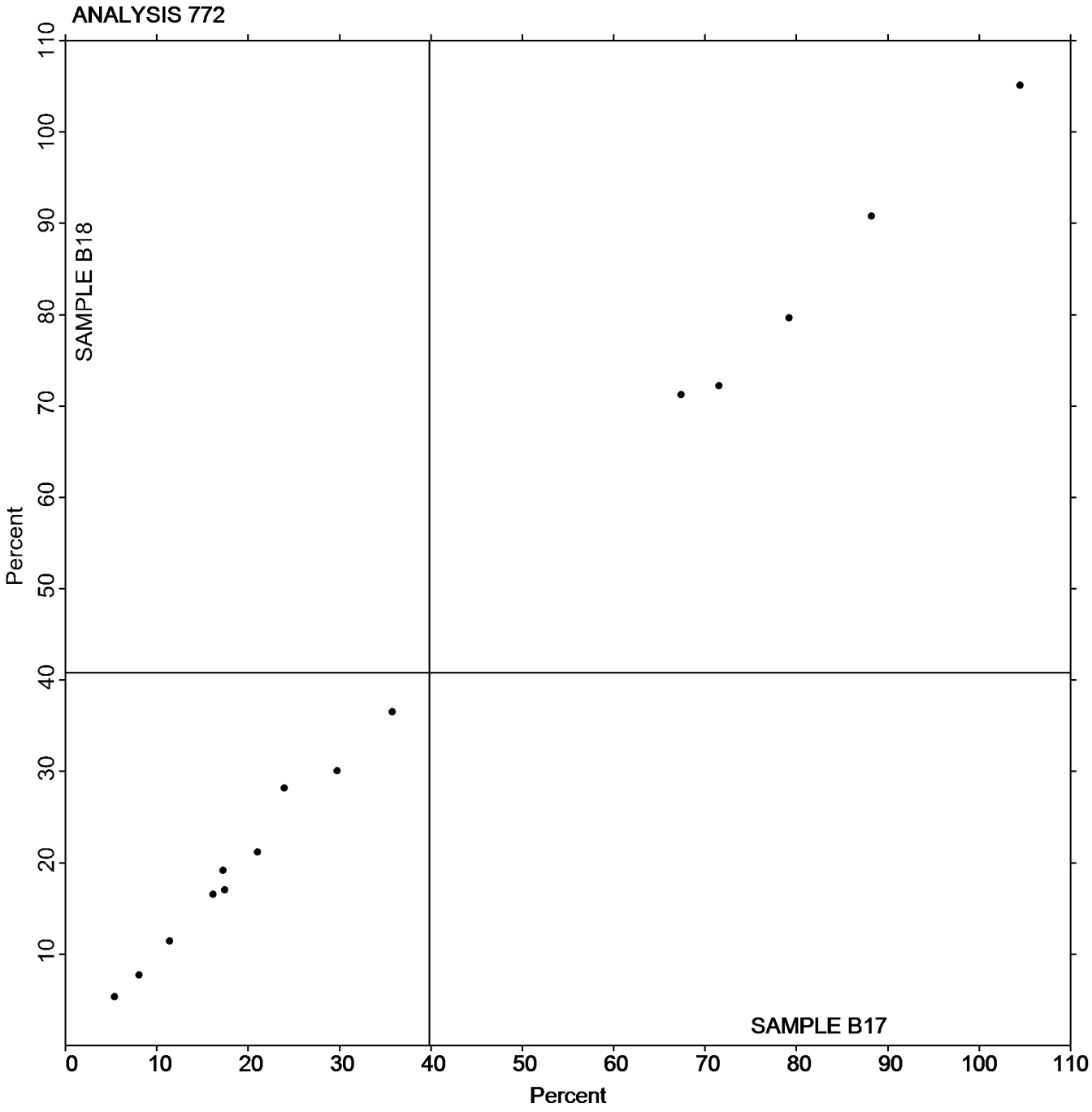
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 772

Percent Elongation at Yield, Films

Grand Mean Sample B17: 39.811 Percent Grand Mean Sample B18: 40.803 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 773

Percent Elongation at Break, Film Samples

WebCode	Data Flag	Sample B17 Lab Mean	Sample B17 Diff from Grand Mean	Sample B17 CPV	Sample B18 Lab Mean	Sample B18 Diff from Grand Mean	Sample B18 CPV	Instr Code
4F83M9		760.7	-10.2	-0.07	776.0	13.7	0.10	MT
92CEDE		912.7	141.8	1.01	910.9	148.6	1.08	IN
BFL8DH		672.8	-98.1	-0.70	666.6	-95.7	-0.70	IN
DZRU27		768.1	-2.8	-0.02	770.6	8.3	0.06	LI
EDVLHF	*	816.0	45.1	0.32	680.4	-81.9	-0.60	MT
EPLGCP		664.7	-106.2	-0.75	661.0	-101.3	-0.74	XX
GB62VN		1,048.9	278.0	1.97	1,019.7	257.4	1.88	SH
GFLGDW		818.2	47.3	0.34	811.5	49.2	0.36	IN
H4MMKR		555.0	-215.9	-1.53	582.0	-180.3	-1.32	IN
JJDCAF		1,027.3	256.4	1.82	967.4	205.1	1.50	IN
LAZZ2R		983.1	212.2	1.50	973.1	210.8	1.54	IN
MMWATM		611.9	-159.0	-1.13	629.0	-133.3	-0.97	TH
N6NCQV		649.2	-121.6	-0.86	654.9	-107.4	-0.78	IN
PG4PB7		661.3	-109.6	-0.78	647.7	-114.7	-0.84	IN
Q6MXQP		766.5	-4.4	-0.03	763.5	1.2	0.01	IN
RMHXB6		650.7	-120.1	-0.85	648.5	-113.8	-0.83	IN
TM4W9H		675.6	-95.3	-0.68	658.8	-103.5	-0.76	MT
WD69R4		884.1	113.2	0.80	968.0	205.7	1.50	XX
XRV9PM		809.5	38.6	0.27	797.9	35.6	0.26	IM
XXN8JY		681.1	-89.8	-0.64	659.0	-103.4	-0.75	IN

Summary Statistics

	Sample B17	Sample B18
Grand Means	770.88 Percent	762.32 Percent
Stnd Dev Btwn Labs	141.06 Percent	136.98 Percent

Statistics based on 20 of 20 reporting participants

Sample B17: LDPE & Sample B18: LDPE

Plastics Interlaboratory Testing Program
Analysis 773
Percent Elongation at Break, Film Samples

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(LI) - Lloyd Instruments

(MT) - MTS/Sintech

(SH) - Shimadzu

(TH) - Thwing Albert

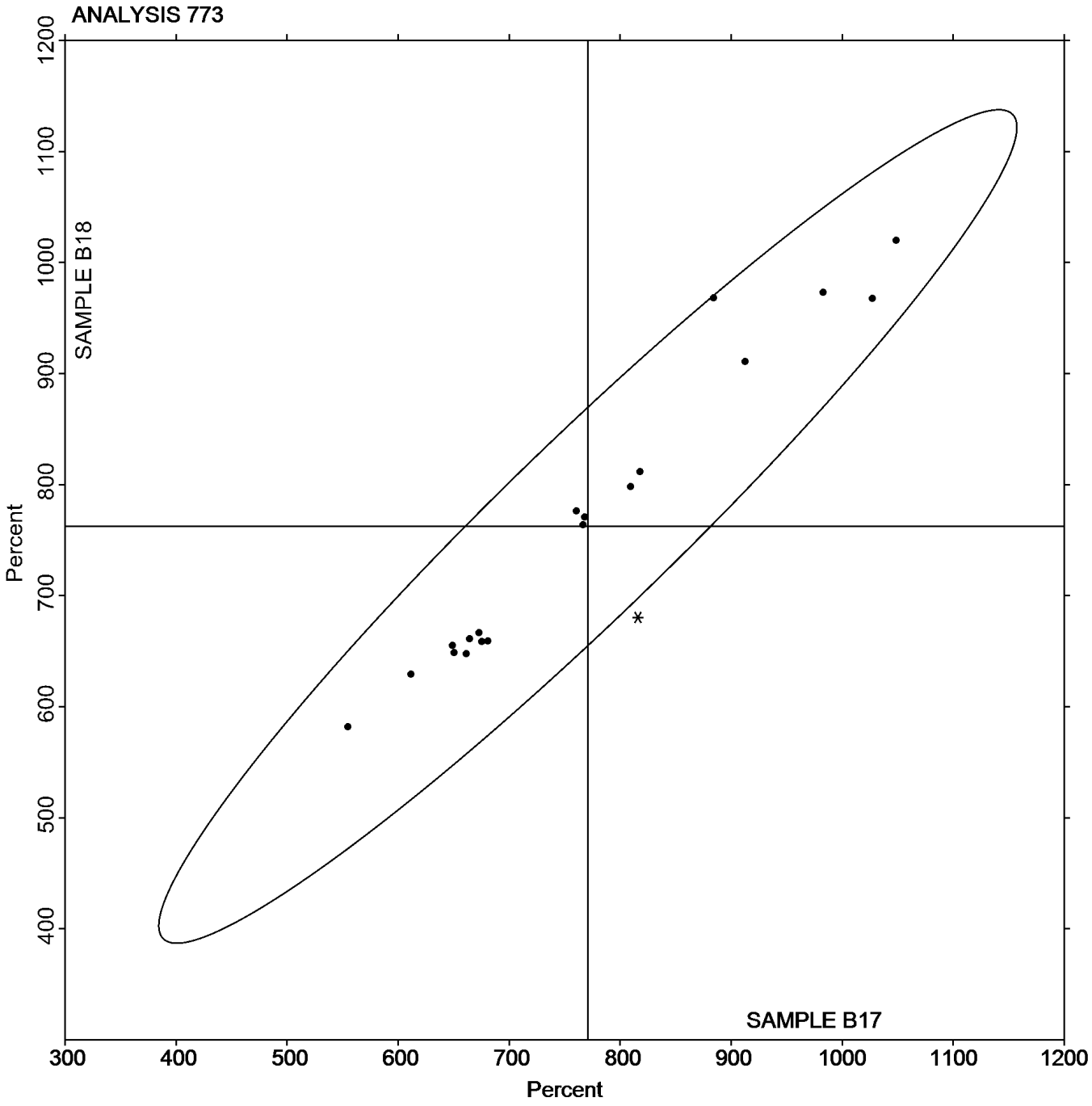
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 773

Percent Elongation at Break, Film Samples

Grand Mean Sample B17: 770.88 Percent Grand Mean Sample B18: 762.32 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 774

Thickness of Film Tensile Samples - mils

WebCode	Data Flag	Sample B17 Lab Mean	Sample B17 Diff from Grand Mean	Sample B17 CPV	Sample B18 Lab Mean	Sample B18 Diff from Grand Mean	Sample B18 CPV	Instr Code
24YP6W		4.0530	-0.0038	-0.06	3.8610	-0.0922	-1.12	XX
32KKTR		4.0310	-0.0258	-0.42	4.0470	0.0938	1.14	XX
6FTCE7		4.0200	-0.0368	-0.59	3.8700	-0.0832	-1.01	XX
74W72E		4.0985	0.0417	0.67	3.9528	-0.0003	0.00	XX
8J2GZU		3.9646	-0.0922	-1.49	3.8308	-0.1224	-1.49	XX
9JD6RW		4.0850	0.0282	0.45	3.9600	0.0068	0.08	XX
BAZNCP		4.0300	-0.0268	-0.43	3.9400	-0.0132	-0.16	XX
ERYHTK		4.0840	0.0272	0.44	3.9440	-0.0092	-0.11	XX
ETGYCY		4.0850	0.0282	0.45	4.1000	0.1468	1.78	XX
F7NNR4		4.0709	0.0140	0.23	3.9173	-0.0358	-0.44	XX
FCH9JQ		3.9449	-0.1120	-1.81	3.8740	-0.0791	-0.96	XX
GQ9C3R		4.0360	-0.0208	-0.34	4.0270	0.0738	0.90	XX
JXUZ2Q		4.1500	0.0932	1.50	4.0300	0.0768	0.93	XX
K62L7A		3.9870	-0.0698	-1.13	3.8200	-0.1332	-1.62	XX
K7GLTG		4.1700	0.1132	1.82	4.1400	0.1868	2.27	XX
LR6YA3		4.0300	-0.0268	-0.43	3.9600	0.0068	0.08	XX
MAZMJX		3.9926	-0.0642	-1.04	3.9205	-0.0326	-0.40	XX
MGGVJC		4.0850	0.0282	0.45	3.9800	0.0268	0.33	XX
P2GQCQ		4.0079	-0.0489	-0.79	3.9804	0.0272	0.33	XX
T7U2NZ		3.9880	-0.0688	-1.11	4.0080	0.0548	0.67	XX
TDNQRH		4.1181	0.0613	0.99	3.9016	-0.0516	-0.63	XX
TLLWRN		4.1457	0.0889	1.43	3.9883	0.0351	0.43	XX
X7X2UG		4.1300	0.0732	1.18	3.8700	-0.0832	-1.01	XX

Summary Statistics

	Sample B17	Sample B18
Grand Means	4.05684 mils	3.95316 mils
Stnd Dev Btwn Labs	0.06202 mils	0.08229 mils

Statistics based on 23 of 23 reporting participants

Sample B17: LDPE & Sample B18: LDPE

Plastics Interlaboratory Testing Program

Analysis 774

Thickness of Film Tensile Samples - mils

Instrument Code List as Reported by the Labs

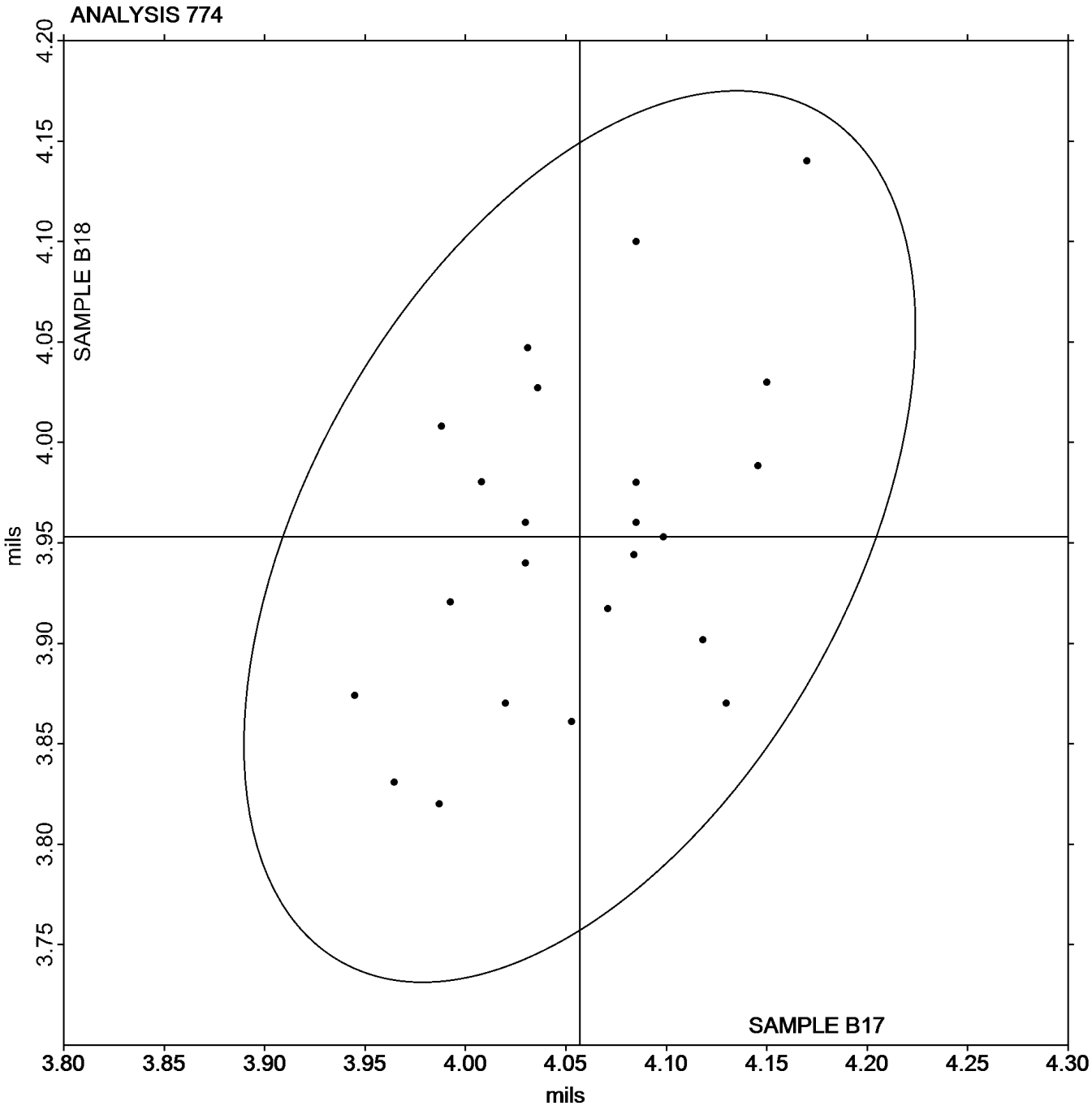
(XX) - Instrument Codes not used by CTS at this time

Plastics Interlaboratory Testing Program

Analysis 774

Thickness of Film Tensile Samples - mils

Grand Mean Sample B17: 4.0568 mils Grand Mean Sample B18: 3.9532 mils



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 775

Secant Modulus at 1% Strain - psi

WebCode	Data Flag	Sample B17 Lab Mean	Sample B17 Diff from Grand Mean	Sample B17 CPV	Sample B18 Lab Mean	Sample B18 Diff from Grand Mean	Sample B18 CPV	Instr Code
2MEJWT		34,445	4,226	1.23	33,655	3,834	1.15	IN
2P8PZK		34,332	4,114	1.20	32,124	2,303	0.69	LI
38XTPD		33,462	3,243	0.95	33,839	4,019	1.20	IN
3KZFKW		26,651	-3,568	-1.04	25,524	-4,296	-1.29	IN
7Z2WYU		33,633	3,414	1.00	32,160	2,339	0.70	IN
8QTM7V		28,103	-2,116	-0.62	27,584	-2,236	-0.67	IN
8ZLU8H		29,268	-950	-0.28	28,773	-1,048	-0.31	IN
DFJ8DP		23,235	-6,983	-2.04	22,452	-7,368	-2.21	IN
DZDJF4		33,366	3,148	0.92	33,791	3,971	1.19	XX
JNB7KM		32,364	2,145	0.63	32,133	2,313	0.69	XX
LJ4PRQ		26,976	-3,242	-0.95	29,006	-814	-0.24	IM
NZMPUU		29,275	-943	-0.28	29,804	-16	0.00	MT
PYWPRN		33,108	2,890	0.84	32,860	3,040	0.91	TH
RXNLGB		26,081	-4,137	-1.21	26,507	-3,313	-0.99	UC
Y4C2D3		29,190	-1,028	-0.30	27,660	-2,160	-0.65	IN
Y6K2WG		30,006	-213	-0.06	29,254	-566	-0.17	IN

Summary Statistics

	Sample B17	Sample B18
Grand Means	30,218.4 psi	29,820.4 psi
Stnd Dev Btwn Labs	3,428.5 psi	3,341.3 psi

Statistics based on 16 of 16 reporting participants

Sample B17: LDPE & Sample B18: LDPE

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(LI) - Lloyd Instruments

(MT) - MTS/Sintech

(TH) - Thwing Albert

(UC) - United

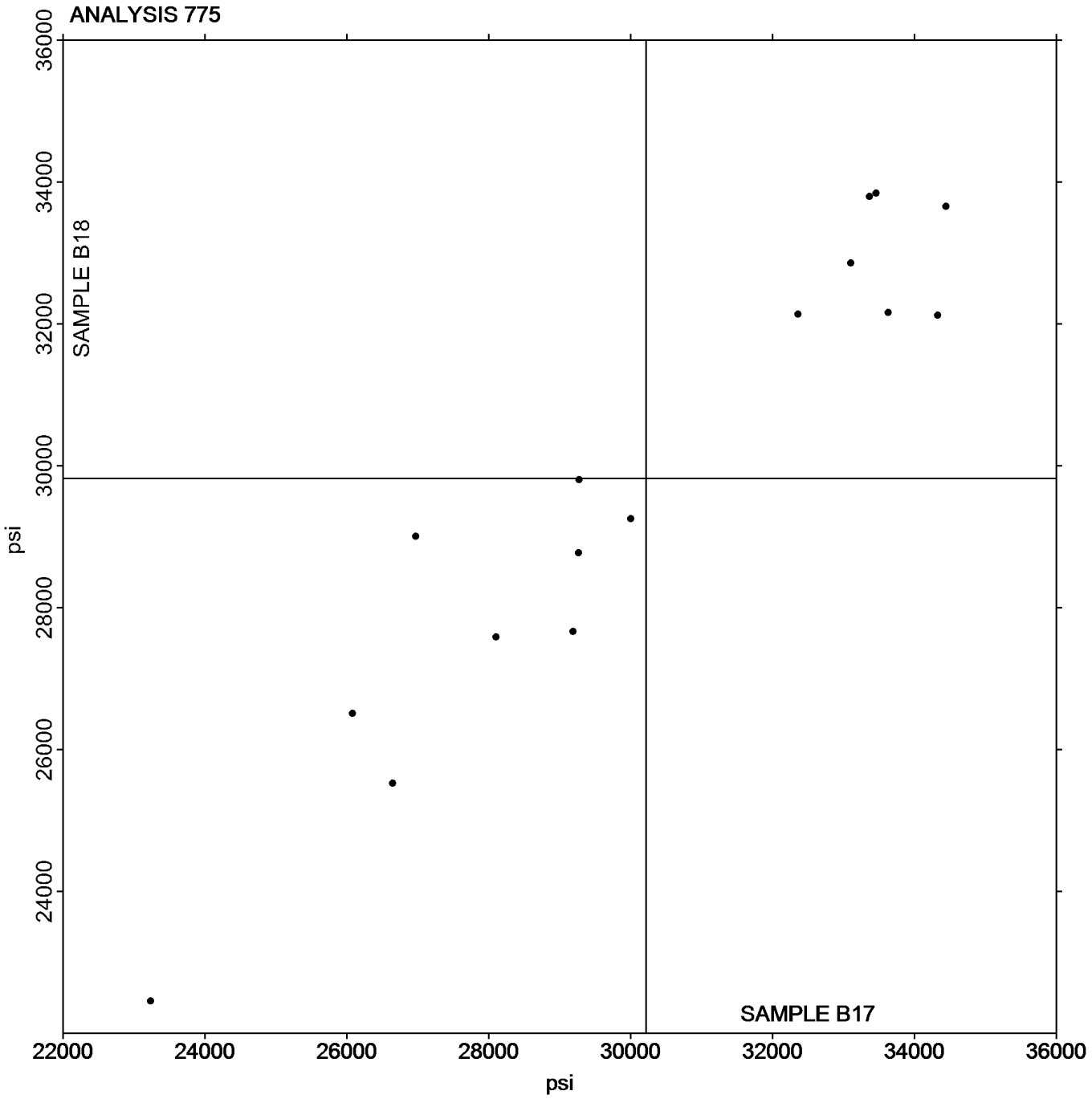
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 775

Secant Modulus at 1% Strain - psi

Grand Mean Sample B17: 30,218.45 psi Grand Mean Sample B18: 29,820.42 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 776

Secant Modulus at 2% Strain - psi

WebCode	Data Flag	Sample B17 Lab Mean	Sample B17 Diff from Grand Mean	Sample B17 CPV	Sample B18 Lab Mean	Sample B18 Diff from Grand Mean	Sample B18 CPV	Instr Code
27MQ4E		27,657	1,776	0.84	28,016	2,451	1.22	IN
2ZP9DP		25,885	4	0.00	25,548	-17	-0.01	IN
648368		23,017	-2,864	-1.36	24,644	-922	-0.46	IM
8E4FZN		27,678	1,796	0.85	27,560	1,994	0.99	XX
CZKYTP		22,282	-3,599	-1.71	21,332	-4,233	-2.10	IN
EAPDLM		25,110	-771	-0.37	24,070	-1,495	-0.74	IN
EMXC4Z		27,572	1,691	0.80	27,311	1,746	0.87	TH
GGDAA6		27,067	1,185	0.56	27,409	1,844	0.92	XX
MZNXWG		27,897	2,016	0.96	26,894	1,329	0.66	IN
MZQ67U		26,525	643	0.31	25,810	244	0.12	IN
QAPBTV		29,085	3,204	1.52	27,308	1,743	0.87	LI
UELLGA		23,373	-2,509	-1.19	23,068	-2,498	-1.24	UC
VLJ8VB		23,900	-1,981	-0.94	23,538	-2,028	-1.01	XX
WE4F9N		25,292	-590	-0.28	25,407	-158	-0.08	MT

Summary Statistics

	Sample B17	Sample B18
Grand Means	25,881.5 psi	25,565.4 psi
Stnd Dev Btwn Labs	2,106.8 psi	2,012.9 psi

Statistics based on 14 of 14 reporting participants

Sample B17: LDPE & Sample B18: LDPE

Instrument Code List as Reported by the Labs

(IM) - Instru-Met Instruments

(IN) - Instron

(LI) - Lloyd Instruments

(MT) - MTS/Sintech

(TH) - Thwing Albert

(UC) - United

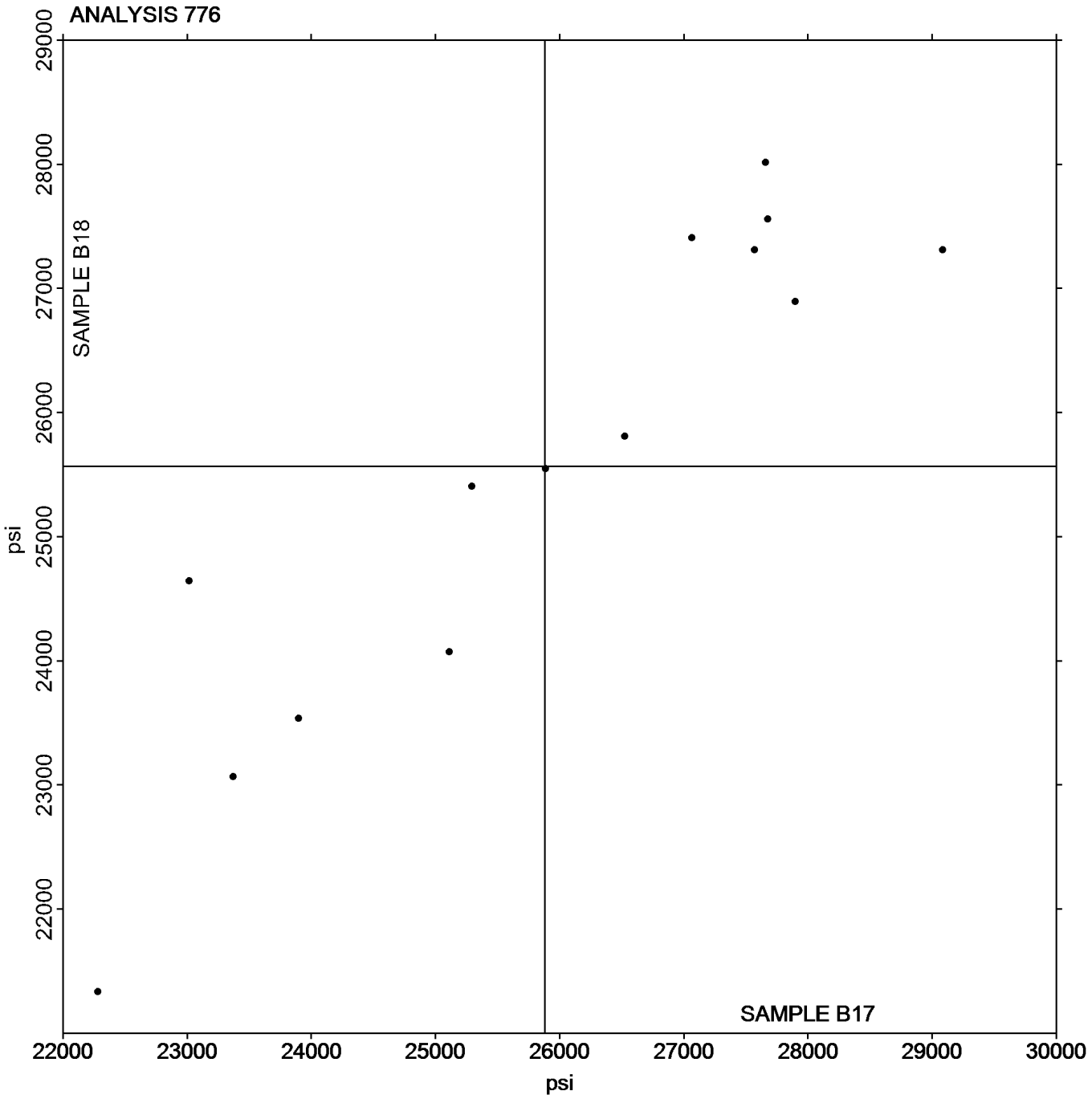
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 776

Secant Modulus at 2% Strain - psi

Grand Mean Sample B17: 25,881.46 psi Grand Mean Sample B18: 25,565.37 psi



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 780
Coefficient of Static Friction

WebCode	Data Flag	Sample P17 Lab Mean	Sample P17 Diff from Grand Mean	Sample P17 CPV	Sample P18 Lab Mean	Sample P18 Diff from Grand Mean	Sample P18 CPV	Instr Code
38HWH9		0.1730	-0.0089	-0.22	0.1780	0.0081	0.22	KA
3BJXJP		0.1578	-0.0241	-0.59	0.1450	-0.0249	-0.69	TN
6LTDDR		0.1546	-0.0273	-0.67	0.1542	-0.0157	-0.43	TN
8BCRQY		0.1658	-0.0161	-0.40	0.1570	-0.0129	-0.36	TM
8Z3L3W		0.1720	-0.0099	-0.24	0.1640	-0.0059	-0.16	TL
9WNDZQ		0.1630	-0.0189	-0.47	0.1522	-0.0177	-0.49	MT
BAXZWH		0.1918	0.0099	0.24	0.1628	-0.0071	-0.20	TN
BRJ882		0.1605	-0.0214	-0.53	0.1578	-0.0121	-0.33	IG
CP8RVK	*	0.2614	0.0795	1.96	0.1920	0.0221	0.61	TH
DKKBLZ		0.2056	0.0237	0.58	0.1896	0.0197	0.54	TH
FB6RY2		0.2448	0.0629	1.55	0.2176	0.0477	1.32	IG
FZQMDV	*	0.0786	-0.1033	-2.54	0.0668	-0.1031	-2.85	SA
GPRRP3		0.1804	-0.0015	-0.04	0.1846	0.0147	0.41	MI
GQMCML		0.2158	0.0339	0.84	0.1804	0.0105	0.29	IG
HEGU92		0.1876	0.0057	0.14	0.1892	0.0193	0.53	TH
J2R8HU		0.1100	-0.0719	-1.77	0.1000	-0.0699	-1.93	IG
KU93YW		0.1784	-0.0035	-0.09	0.1876	0.0177	0.49	IS
L9TL2T		0.1890	0.0071	0.18	0.1820	0.0121	0.33	TH
P49U9Z		0.2276	0.0457	1.13	0.2276	0.0577	1.59	XX
PA9BDX		0.2114	0.0295	0.73	0.2064	0.0365	1.01	MI
PK3RYC		0.2216	0.0397	0.98	0.2006	0.0307	0.85	TM
PWXTHX		0.1888	0.0069	0.17	0.1932	0.0233	0.64	IG
VB4G4K		0.1314	-0.0505	-1.24	0.1194	-0.0505	-1.39	TO
ZDLW93		0.1942	0.0123	0.30	0.1696	-0.0003	-0.01	IS

Summary Statistics

Grand Means

0.18188 COF — 0.16990 COF

Stnd Dev Btwn Labs

0.04059 COF — 0.03622 COF

Statistics based on 24 of 24 reporting participants

Sample P17: LDPE & Sample P18: LDPE

Plastics Interlaboratory Testing Program
Analysis 780
Coefficient of Static Friction

Instrument Code List as Reported by the Labs

(IG) - Instron

(IS) - Instron 5000 Series

(KA) - Kayeness Inc.

(MI) - MTS Insight

(MT) - MTS Q-Test

(SA) - Shimadzu Autograph

(TH) - Thwing Albert Friction/Peel Tester Model 225-1

(TL) - TMI #32-90

(TM) - TMI Slip and Friction Tester

(TN) - TMI #32-06

(TO) - Tinius Olsen

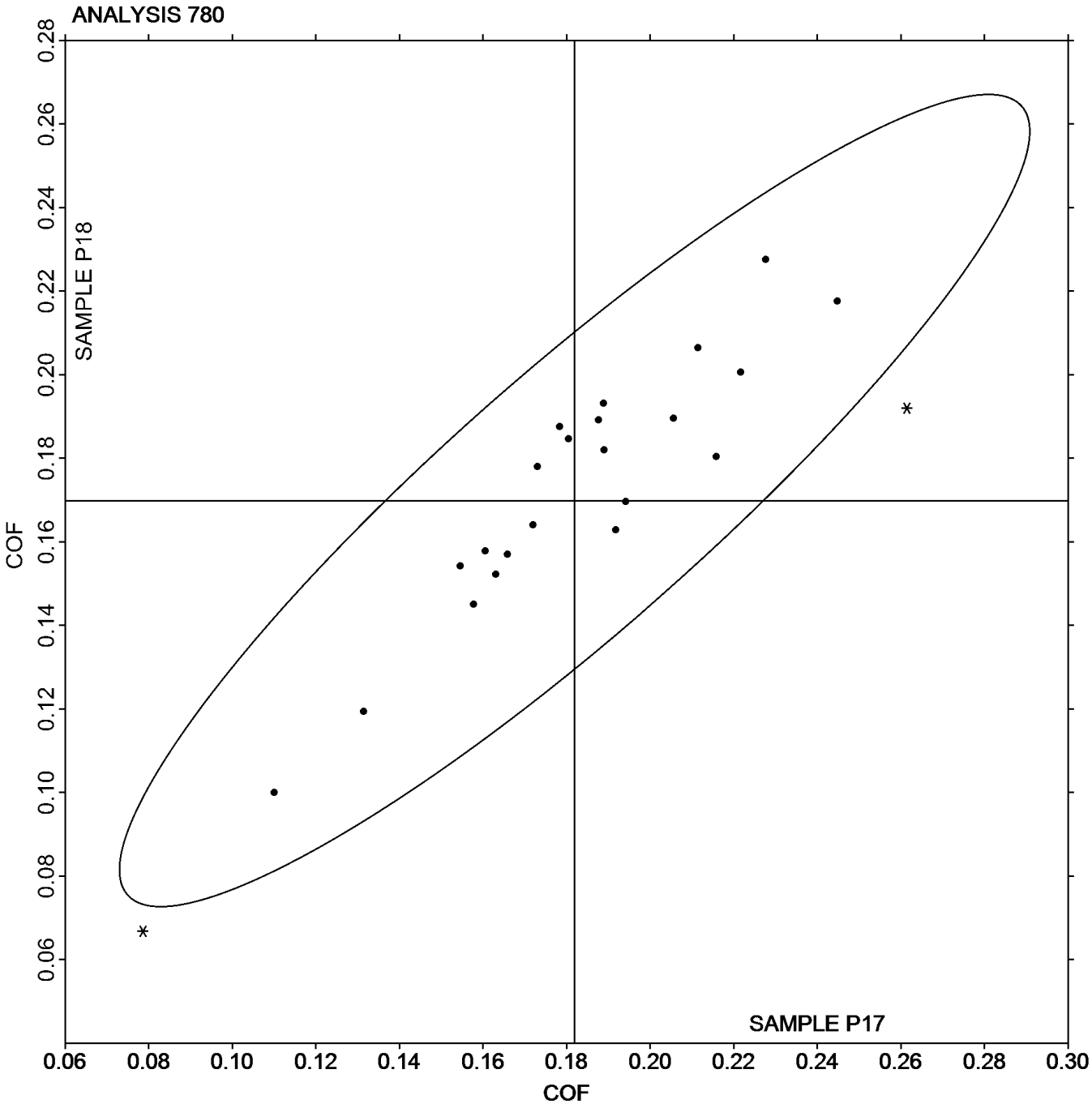
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 780

Coefficient of Static Friction

Grand Mean Sample P17: 0.18188 COF Grand Mean Sample P18: 0.16990 COF



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 781

Coefficient of Kinetic Friction

WebCode	Data Flag	Sample P17 Lab Mean	Sample P17 Diff from Grand Mean	Sample P17 CPV	Sample P18 Lab Mean	Sample P18 Diff from Grand Mean	Sample P18 CPV	Instr Code
26YJEW		0.1336	-0.0091	-0.29	0.1226	-0.0117	-0.32	TN
3KVKVC	*	0.0520	-0.0907	-2.83	0.0300	-0.1043	-2.84	IG
4YYXA6		0.1418	-0.0009	-0.03	0.1396	0.0054	0.15	TM
73AJXY		0.1600	0.0173	0.54	0.1500	0.0158	0.43	TL
79T8AE		0.1186	-0.0241	-0.75	0.1074	-0.0269	-0.73	TH
8AUMZ7		0.1460	0.0033	0.10	0.1468	0.0126	0.34	IG
9ZD7F6		0.1730	0.0303	0.95	0.1780	0.0438	1.19	KA
9ZWZY9		0.1270	-0.0157	-0.49	0.1190	-0.0153	-0.42	TO
AKQUYQ		0.1460	0.0033	0.10	0.1254	-0.0089	-0.24	MT
AW9N8D		0.0612	-0.0815	-2.55	0.0430	-0.0913	-2.49	SA
BFLDGE		0.1648	0.0221	0.69	0.1510	0.0168	0.46	MI
CRAAY4		0.1408	-0.0019	-0.06	0.1298	-0.0045	-0.12	TH
DZHQW7		0.1392	-0.0035	-0.11	0.1538	0.0196	0.53	IS
FBXQRD		0.1216	-0.0211	-0.66	0.1170	-0.0173	-0.47	TN
K2RRV8		0.1326	-0.0101	-0.32	0.1206	-0.0137	-0.37	TN
NFYA9G	*	0.1666	0.0239	0.75	0.1324	-0.0019	-0.05	IS
PKFUCR		0.1340	-0.0087	-0.27	0.1268	-0.0075	-0.20	TH
R83TTQ		0.1762	0.0335	1.05	0.1762	0.0420	1.14	IG
RQHJYZ		0.1830	0.0403	1.26	0.1872	0.0530	1.44	XX
T39A4U		0.1528	0.0101	0.31	0.1512	0.0170	0.46	IG
UH6VG4		0.1576	0.0149	0.46	0.1366	0.0024	0.06	TH
VCYW29		0.1594	0.0167	0.52	0.1456	0.0114	0.31	IG
VHKHC9		0.1774	0.0347	1.08	0.1700	0.0358	0.97	TM
YJHLHL		0.1604	0.0177	0.55	0.1620	0.0278	0.76	MI

Summary Statistics

Grand Means

0.14274 COF — 0.13425 COF

Stnd Dev Btwn Labs

0.03202 COF — 0.03669 COF

Statistics based on 24 of 24 reporting participants

Sample P17: LDPE & Sample P18: LDPE

Plastics Interlaboratory Testing Program
Analysis 781
Coefficient of Kinetic Friction

Instrument Code List as Reported by the Labs

(IG) - Instron

(IS) - Instron 5000 Series

(KA) - Kayeness Inc.

(MI) - MTS Insight

(MT) - MTS Q-Test

(SA) - Shimadzu Autograph

(TH) - Thwing Albert Friction/Peel Tester Model 225-1

(TL) - TMI #32-90

(TM) - TMI Slip and Friction Tester

(TN) - TMI #32-06

(TO) - Tinius Olsen

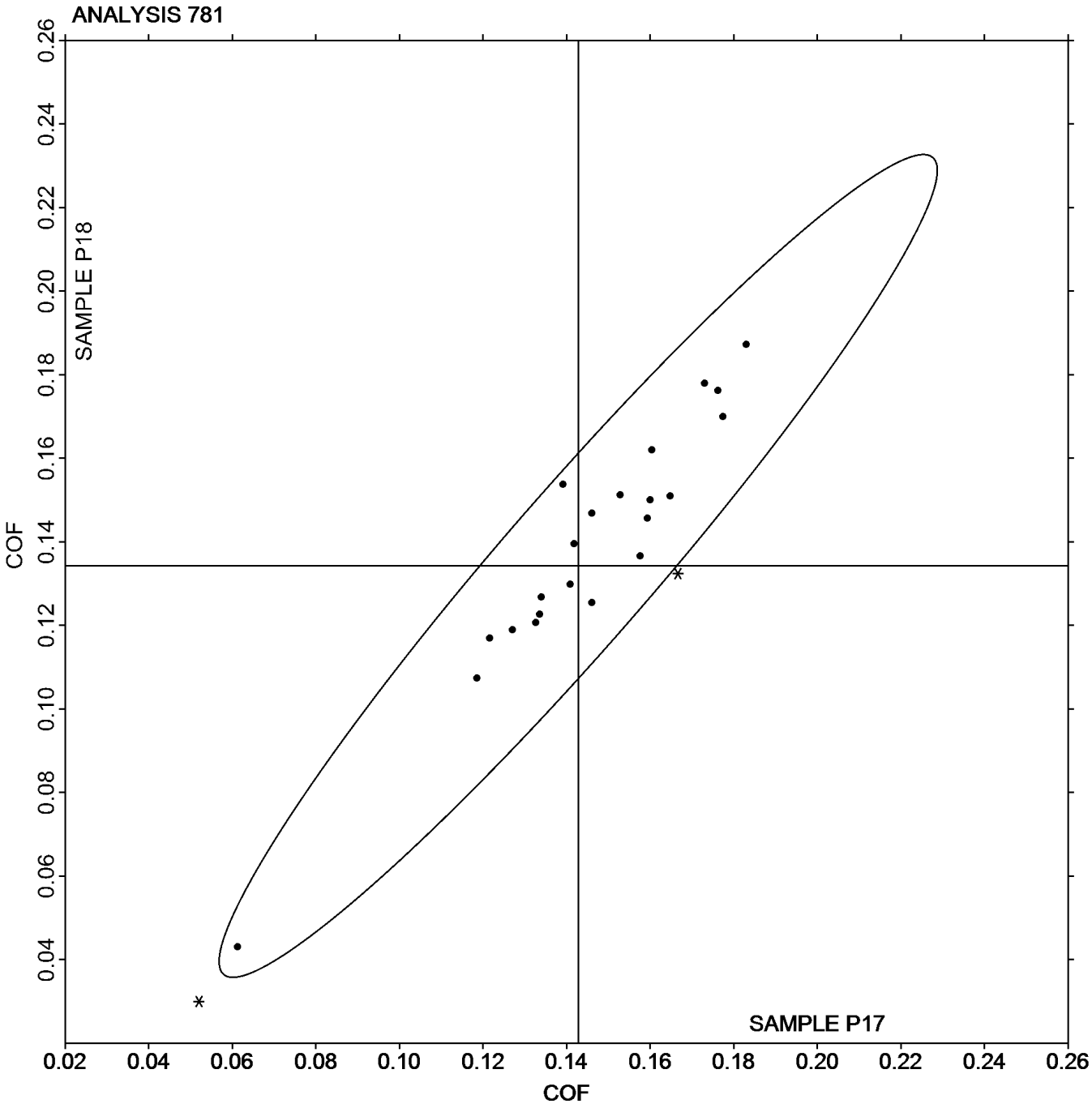
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 781

Coefficient of Kinetic Friction

Grand Mean Sample P17: 0.14274 COF Grand Mean Sample P18: 0.13425 COF



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 782

Tear Resistance of Films

WebCode	Data Flag	Sample Q17 Lab Mean	Sample Q17 Diff from Grand Mean	Sample Q17 CPV	Sample Q18 Lab Mean	Sample Q18 Diff from Grand Mean	Sample Q18 CPV	Instr Code
6KAA77		641.3	-137.8	-1.73	616.3	-159.4	-1.76	TE
79XMRH		758.4	-20.7	-0.26	621.5	-154.2	-1.70	XX
7CQDTJ		846.8	67.7	0.85	853.3	77.7	0.86	LO
E3WHA2		783.8	4.7	0.06	770.3	-5.4	-0.06	TE
FAMP7F		836.9	57.8	0.72	863.4	87.7	0.97	TM
KDUMT4		803.1	24.0	0.30	872.8	97.1	1.07	SZ
N3B4GJ		899.9	120.8	1.51	894.4	118.7	1.31	TM
PKKPWZ		686.2	-92.9	-1.16	701.1	-74.5	-0.82	TA
RJVWWZ		729.8	-49.3	-0.62	761.6	-14.1	-0.15	TE
UCD36E		723.8	-55.3	-0.69	779.5	3.9	0.04	TE
VAU48B		868.9	89.8	1.13	798.1	22.4	0.25	TN
WQQK9N		850.8	71.7	0.90	830.7	55.0	0.61	TE
WTLQX3		698.8	-80.4	-1.01	720.4	-55.2	-0.61	XX

Summary Statistics

	Sample Q17	Sample Q18
Grand Means	779.11 grams-force	775.65 grams-force
Stnd Dev Btwn Labs	79.74 grams-force	90.74 grams-force

Statistics based on 13 of 13 reporting participants

Sample Q17: LDPE & Sample Q18: LDPE

Instrument Code List as Reported by the Labs

(LO) - Lorentzen & Wettre Model II

(SZ) - Textest FX 3700

(TA) - Thwing-Albert

(TE) - Thwing-Albert Pro Tear

(TM) - TMI No. 83-1100

(TN) - TMI Tear Tester 83-10

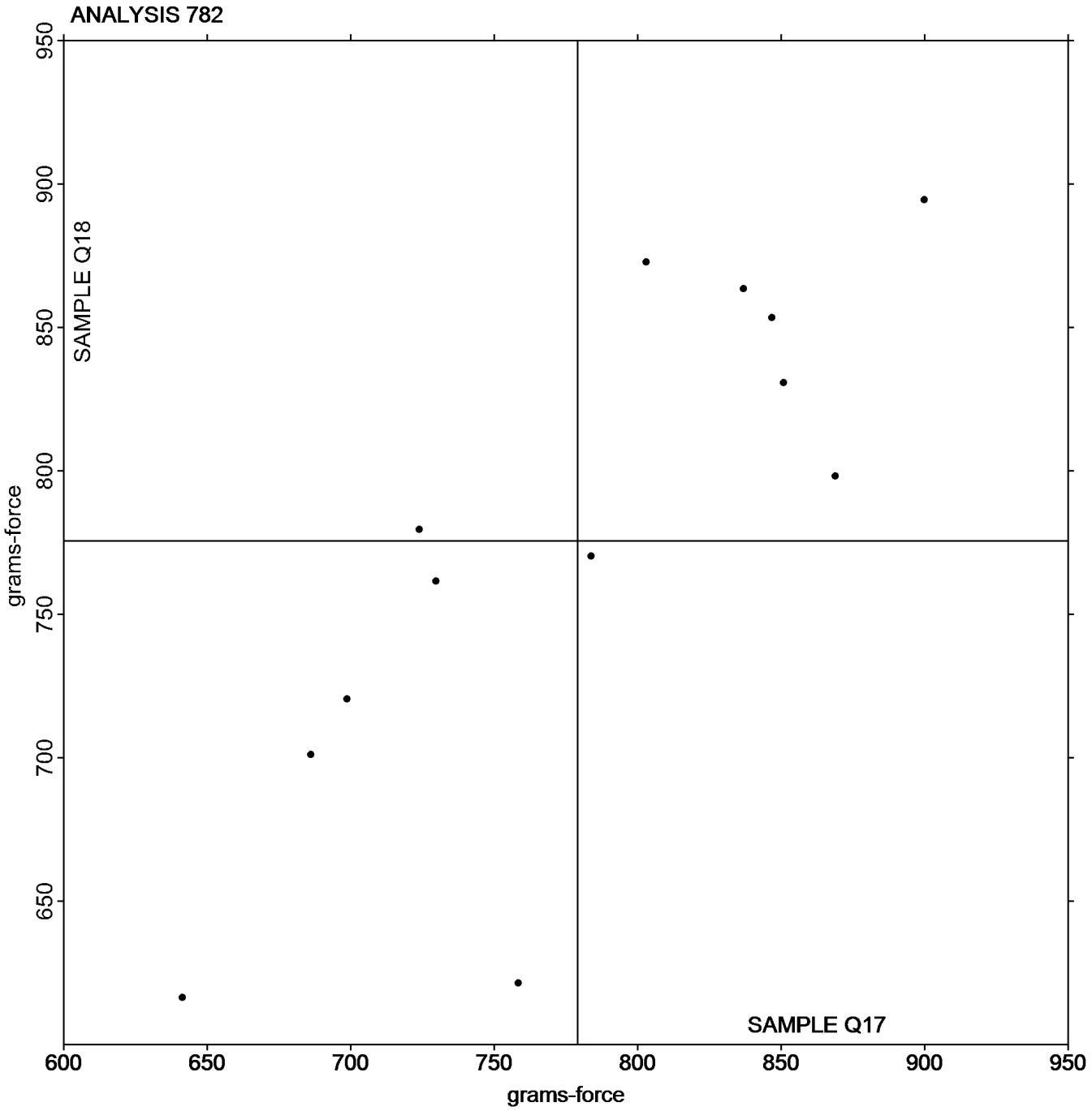
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 782

Tear Resistance of Films

Grand Mean Sample Q17: 779.11 grams-force Grand Mean Sample Q18: 775.65 grams-force



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 785

Percent Haze of Film

WebCode	Data Flag	Sample D17 Lab Mean	Sample D17 Diff from Grand Mean	Sample D17 CPV	Sample D18 Lab Mean	Sample D18 Diff from Grand Mean	Sample D18 CPV	Instr Code
3Q8RQY		16.263	0.599	0.89	15.425	0.450	0.71	BJ
4FW6L8		15.388	-0.276	-0.41	14.900	-0.075	-0.12	BJ
4GXP6Z		16.574	0.911	1.35	15.846	0.872	1.38	BT
7RMJ3Q		15.350	-0.313	-0.46	14.700	-0.275	-0.44	BJ
7VX6F4		15.563	-0.101	-0.15	14.900	-0.075	-0.12	BJ
87WB2W		15.563	-0.101	-0.15	15.025	0.050	0.08	BH
89T3KL		15.225	-0.438	-0.65	14.938	-0.037	-0.06	BJ
A3K84H		15.516	-0.147	-0.22	14.721	-0.253	-0.40	BJ
A9VELZ		15.799	0.136	0.20	15.321	0.347	0.55	XR
AK62QR		15.138	-0.526	-0.78	14.200	-0.775	-1.23	BJ
EH8G9Z		15.675	0.012	0.02	15.075	0.100	0.16	BJ
GF2MR2		15.050	-0.613	-0.91	14.163	-0.812	-1.29	BJ
GQVKDR		15.688	0.024	0.04	15.138	0.163	0.26	BJ
M4ZCG7		17.125	1.462	2.17	15.938	0.963	1.53	DA
M8ANWG		15.638	-0.026	-0.04	14.775	-0.200	-0.32	BJ
NJNPVD		14.106	-1.557	-2.31	13.344	-1.631	-2.59	HL
T9UAPN		16.288	0.624	0.93	15.664	0.689	1.09	XR
TQ32YL		15.150	-0.513	-0.76	14.988	0.013	0.02	BJ
UEAFCA		17.050	1.387	2.06	15.950	0.975	1.55	BJ
UWMY7X		14.931	-0.732	-1.09	14.080	-0.895	-1.42	XR
WH8ZMH		16.488	0.824	1.22	15.863	0.888	1.41	BJ
WQW869		15.475	-0.188	-0.28	14.400	-0.575	-0.91	XX
XMYLU3		15.338	-0.326	-0.48	14.888	-0.087	-0.14	BJ
XRE9PL		15.850	0.187	0.28	15.100	0.125	0.20	BJ
ZUCF2F		15.350	-0.313	-0.46	15.025	0.050	0.08	BJ

Plastics Interlaboratory Testing Program

Analysis 785

Percent Haze of Film

Summary Statistics

Grand Means		
	15.6631 Percent	14.9746 Percent
Stnd Dev Btwn Labs		
	0.6738 Percent	0.6302 Percent

Statistics based on 25 of 25 reporting participants

Sample D17: LDPE & Sample D18: LDPE

Instrument Code List as Reported by the Labs

(BH) - BYK-Gardner/Pacific Scientific Model XL-211

(BJ) - BYK-Gardner Haze-Gard Plus

(BT) - BYK Gardner TCS Series

(DA) - Datacolor SF 600 Series

(HL) - Hunterlab Ultrascan XE

(XR) - X-Rite Spectrocolorimeter (any model)

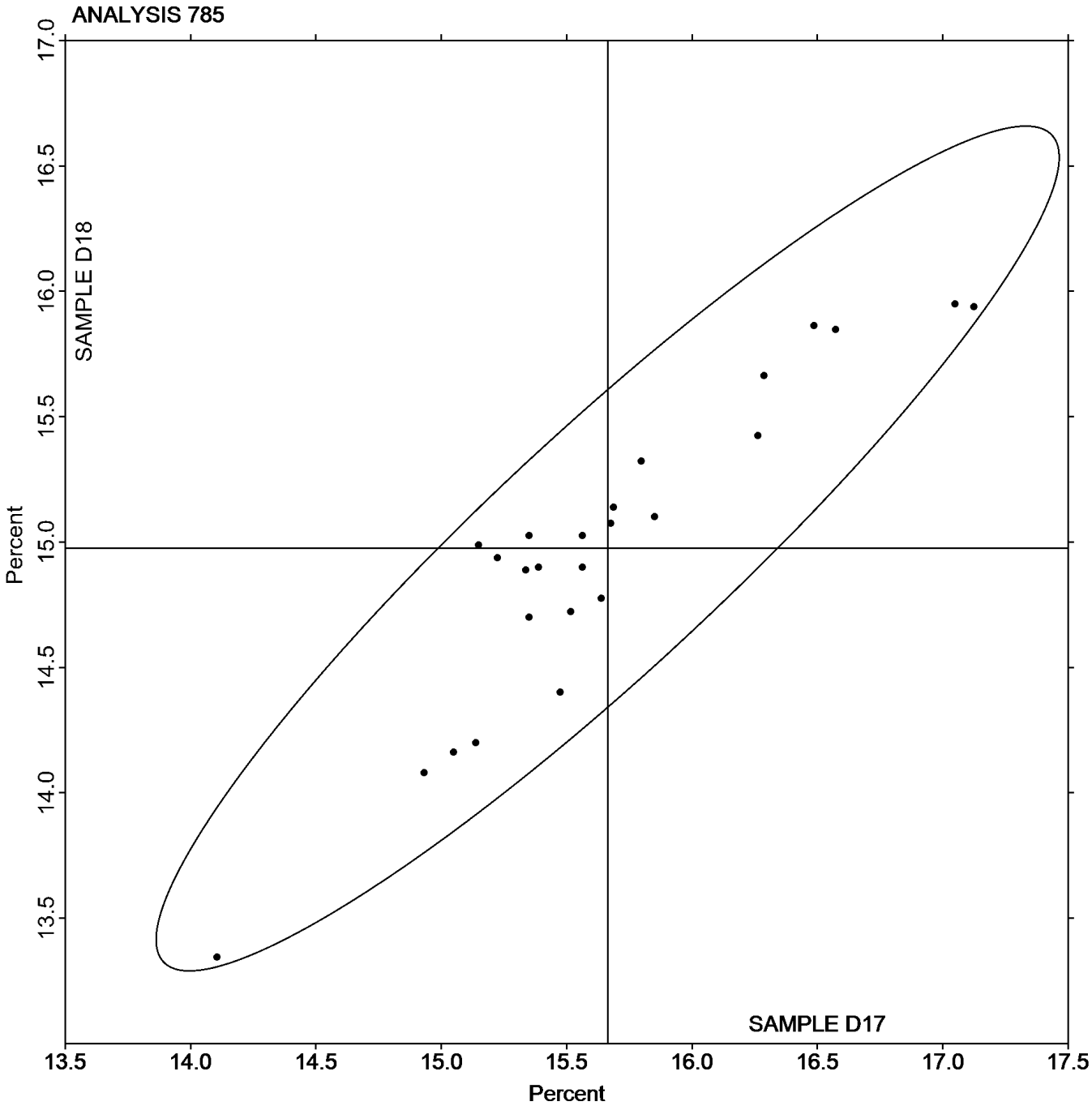
(XX) - Instrument make/model not specified by lab

Plastics Interlaboratory Testing Program

Analysis 785

Percent Haze of Film

Grand Mean Sample D17: 15.663 Percent Grand Mean Sample D18: 14.975 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 786

Total Luminous transmittance of film

WebCode	Data Flag	Sample D17 Lab Mean	Sample D17 Diff from Grand Mean	Sample D17 CPV	Sample D18 Lab Mean	Sample D18 Diff from Grand Mean	Sample D18 CPV	Instr Code
2PH7MU		90.36	-1.81	-1.51	90.55	-1.68	-1.42	DA
2T4NC8		92.66	0.49	0.41	92.61	0.38	0.33	BJ
4KUVDH		92.53	0.35	0.30	92.51	0.28	0.24	BH
67B4GG		92.75	0.58	0.48	92.78	0.55	0.46	BT
7M69YJ		91.56	-0.61	-0.51	91.68	-0.55	-0.47	BJ
7Y8JP2		92.85	0.68	0.57	92.68	0.45	0.38	BJ
9CFDLN		92.35	0.18	0.15	92.65	0.42	0.36	BJ
9RB32V		94.31	2.14	1.79	94.30	2.07	1.75	BJ
9RFNM3		89.11	-3.06	-2.55	89.11	-3.12	-2.63	BJ
A7RLR3		91.80	-0.37	-0.31	91.90	-0.32	-0.27	XR
BPUWUH		93.15	0.98	0.82	93.25	1.02	0.87	BJ
C232RQ		93.16	0.99	0.83	92.93	0.70	0.59	BJ
CEYE9A		91.53	-0.64	-0.54	91.55	-0.68	-0.58	XR
D9H3EP		90.48	-1.69	-1.41	90.47	-1.76	-1.48	HL
DAM9H7		91.96	-0.21	-0.17	92.08	-0.15	-0.13	BJ
FWDWZH		92.30	0.13	0.11	92.39	0.16	0.14	BJ
KKXLJH		92.68	0.50	0.42	92.70	0.47	0.40	BJ
TTTQBY	*	92.55	0.38	0.32	93.00	0.77	0.65	BJ
U9BWGH		94.20	2.03	1.69	94.18	1.95	1.65	BJ
V2UJ8B		92.24	0.07	0.06	92.39	0.16	0.14	BJ
VBDDJF		93.06	0.89	0.74	93.10	0.87	0.74	BJ
X4R7YV		90.93	-1.24	-1.03	91.02	-1.21	-1.03	XR
YWBLBU		91.43	-0.75	-0.62	91.44	-0.79	-0.67	BJ

Summary Statistics

	Sample D17	Sample D18
Grand Means	92.171 Percent	92.228 Percent
Stnd Dev Btwn Labs	1.199 Percent	1.183 Percent

Statistics based on 23 of 23 reporting participants

Sample D17: LDPE & Sample D18: LDPE

Plastics Interlaboratory Testing Program

Analysis 786

Total Luminous transmittance of film

Instrument Code List as Reported by the Labs

(BH) - BYK-Gardner/Pacific Scientific Model XL-211

(BJ) - BYK-Gardner Haze-Gard Plus

(BT) - BYK Gardner TCS Plus Spectrophotometer

(DA) - Datacolor SF 600 Series

(HL) - Hunterlab Ultrascan XE

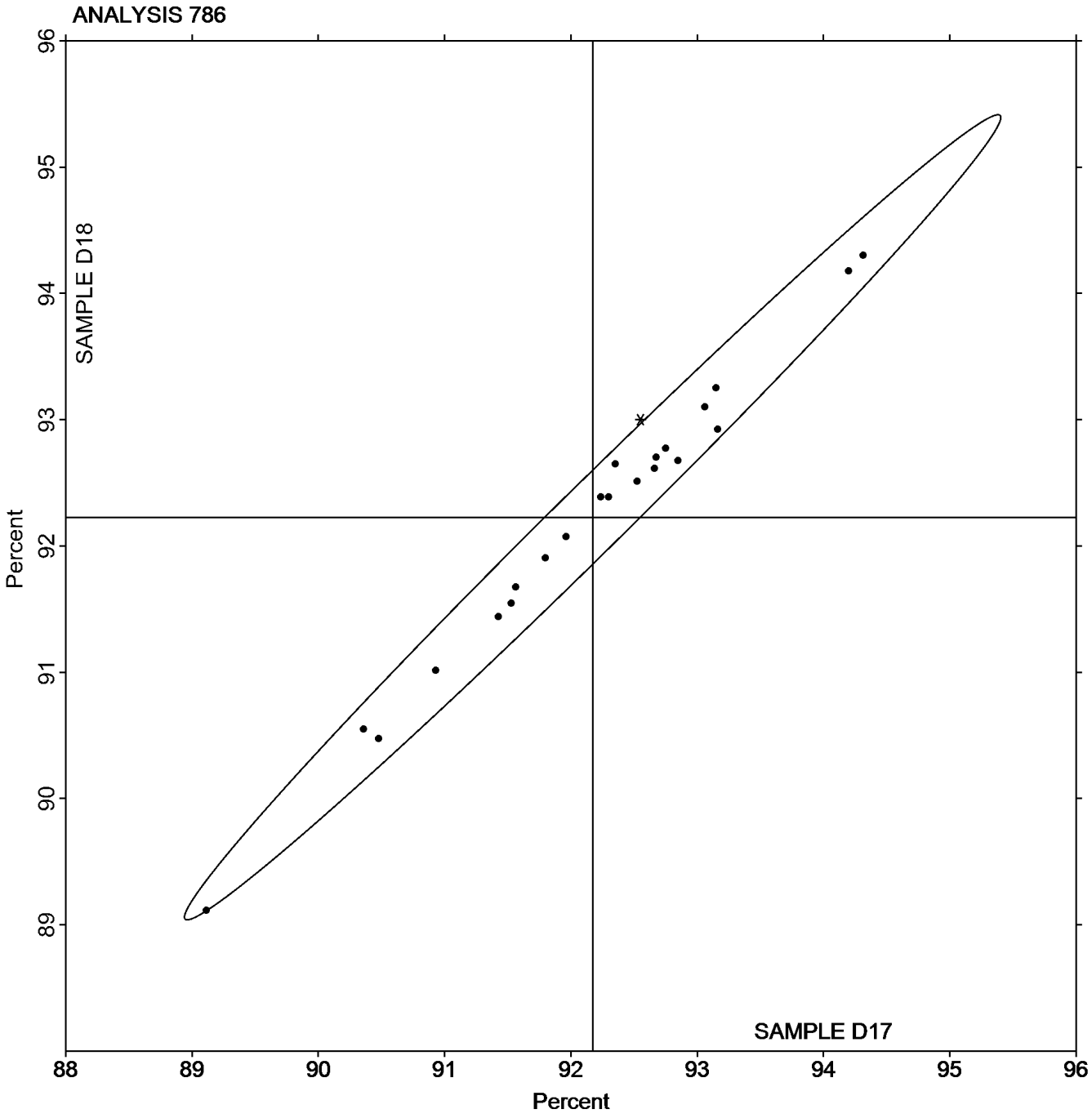
(XR) - X-Rite Spectrocolorimeter (any model)

Plastics Interlaboratory Testing Program

Analysis 786

Total Luminous transmittance of film

Grand Mean Sample D17: 92.171 Percent Grand Mean Sample D18: 92.228 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot

Plastics Interlaboratory Testing Program

Analysis 755

Moisture Content of Plastics

WebCode	Data Flag	Sample Y17 Lab Mean	Sample Y17 Diff from Grand Mean	Sample Y17 CPV	Sample Y18 Lab Mean	Sample Y18 Diff from Grand Mean	Sample Y18 CPV	Instr Code
2CW8YG		0.21567	0.01878	0.43	0.19680	0.01110	0.27	AZ
3GZBXT	*	0.31300	0.11611	2.64	0.29900	0.11330	2.77	SB
4M76RV		0.16987	-0.02702	-0.61	0.16363	-0.02207	-0.54	XX
6VRMLK		0.20333	0.00645	0.15	0.20667	0.02096	0.51	MU
8MAHEB		0.21600	0.01911	0.43	0.20700	0.02130	0.52	AZ
A8UN76		0.10587	-0.09102	-2.07	0.10380	-0.08190	-2.01	MD
A9W47E		0.20500	0.00811	0.18	0.19800	0.01230	0.30	MB
BMZPCL		0.20700	0.01011	0.23	0.17800	-0.00770	-0.19	XX
BQD8EK	*	0.19920	0.00231	0.05	0.22777	0.04206	1.03	MD
EFTCVA		0.22900	0.03211	0.73	0.21400	0.02830	0.69	MA
FH8WZ3		0.19367	-0.00322	-0.07	0.17867	-0.00704	-0.17	CS
HUBZH2		0.15333	-0.04355	-0.99	0.15333	-0.03237	-0.79	XX
HWYTDT		0.19767	0.00078	0.02	0.18233	-0.00337	-0.08	CS
J99HQR		0.13477	-0.06212	-1.41	0.11000	-0.07570	-1.85	MU
JPMJ27		0.22500	0.02811	0.64	0.18200	-0.00370	-0.09	SA
KMCD36		0.18533	-0.01155	-0.26	0.20100	0.01530	0.37	XX
KQVF3G		0.10560	-0.09129	-2.08	0.09663	-0.08907	-2.18	XX
LLWEK2		0.27000	0.07311	1.66	0.24000	0.05430	1.33	XX
MH6HT7		0.12707	-0.06982	-1.59	0.12790	-0.05780	-1.42	MU
MWLE6G		0.21157	0.01468	0.33	0.19623	0.01053	0.26	MT
N22Y4Y		0.21743	0.02055	0.47	0.20903	0.02333	0.57	XX
NUG6KL		0.18300	-0.01389	-0.32	0.17800	-0.00770	-0.19	MK
QNZJLV		0.22533	0.02845	0.65	0.20733	0.02163	0.53	SB
WDQUL9		0.23600	0.03911	0.89	0.22400	0.03830	0.94	SB
WK8AEL	X	0.37067	0.17378	3.95	0.36367	0.17796	4.36	MK
WUFX4D		0.19667	-0.00022	-0.01	0.18133	-0.00437	-0.11	ML
WX93KF		0.23453	0.03765	0.86	0.20330	0.01760	0.43	AZ
XC7LMT		0.20790	0.01101	0.25	0.18860	0.00290	0.07	MR
XDELTM		0.20034	0.00345	0.08	0.18325	-0.00245	-0.06	MJ
Y7RWBL		0.19923	0.00235	0.05	0.18190	-0.00380	-0.09	MR
YNEK39		0.19850	0.00161	0.04	0.19400	0.00830	0.20	ML
Z2NKMK		0.13667	-0.06022	-1.37	0.14333	-0.04237	-1.04	XX

Plastics Interlaboratory Testing Program
Analysis 755
Moisture Content of Plastics

Summary Statistics

	Sample Y17: ABS	Sample Y18: ABS
Grand Means	0.196888 Percent	0.185705 Percent
Stnd Dev Btwn Labs	0.043993 Percent	0.040828 Percent

Statistics based on 31 of 32 reporting participants

Sample Y17: ABS & Sample Y18: ABS

Comments on assigned Data Flags for Test #755

WK8AEL (X) - Data for both samples are high.

Instrument Code List as Reported by the Labs

(AZ) - Arizona Instruments Moisture Analyzer

(CS) - Cosa Instruments

(MA) - Omnimark Mark 2

(MB) - Omnimark Mark 3

(MD) - Mettler Toledo DL37

(MJ) - Mitsubishi KF Analyzer Series

(MK) - Mitsubishi KF Analyzer CA 100

(ML) - Metrohm Coulometer

(MR) - Metrohm Coulineter 756 KF

(MT) - Mettler Toledo DL39

(MU) - Mettler Toledo

(SA) - Sartorius MA30

(SB) - Sartorius Mark 3

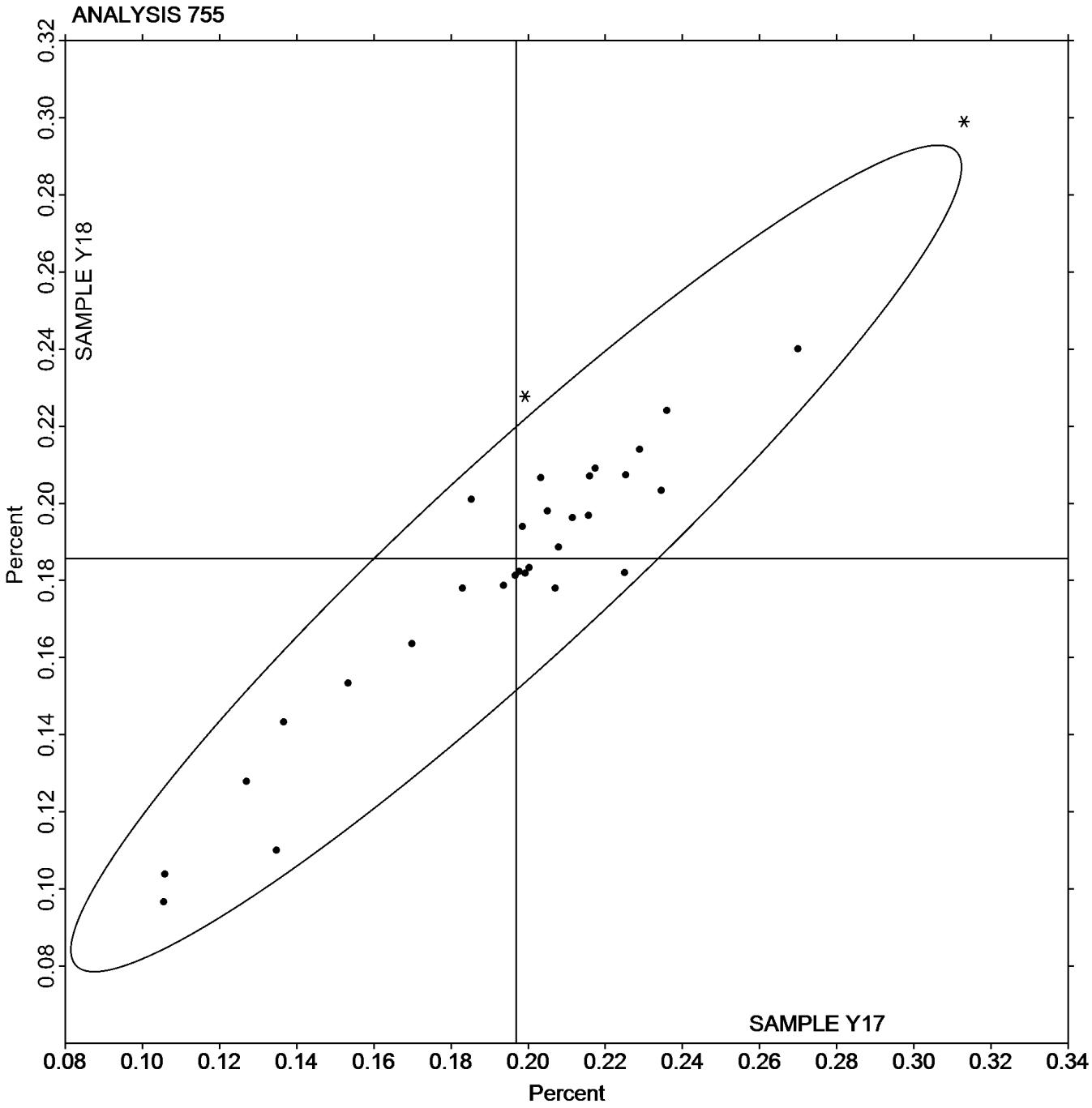
(XX) - Instrument manufacturer not specified by lab

Plastics Interlaboratory Testing Program

Analysis 755

Moisture Content of Plastics

Grand Mean Sample Y17: 0.19689 Percent Grand Mean Sample Y18: 0.18570 Percent



If fewer than 20 laboratories are included in an analysis, a control ellipse will not be drawn on the two-sample plot