



APPLIED TECHNICAL SERVICES, INCORPORATED

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CHEMICAL TEST REPORT

Ref. C136358

Date February 19, 2009

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Customer: Sheffield Plastics, 119 Salisbury Road, Sheffield, MA 01257

Attention: Dennis Furlano

Purchase Order #: CC

Part #/Name: Makrolon Sheet

Material Designation: Polycarbonate Resin

Special Requirement: Samples prepared using microwave digestion techniques for lead analyzed.

Lab Comment: ICP atomic emission techniques utilized to analyze for lead as per ASTM E1479-99(2005). GC/MS was used to identify and quantify the phthalate compounds according to ASTM D 7083-04 *Standard Practice for Determination of Monomeric Plasticizers in Poly (Vinyl Chloride) (PVC) by Gas Chromatography*

Test Results

Composition: (parts per million)

Identification	Pb	DnBP	BBP	DEHP	DnOP	DINP	DIDP
<i>16 C.F.R. 1303 requirements for lead</i>	600	1000	1000	1000	1000	1000	1000
<i>CPSIA Subsection 108(a) requirement for phthalate</i>	Max.	Max.	Max.	Max.	Max.	Max.	Max.
Polycarbonate Resin: Makrolon Sheet	<6	ND*	ND*	ND*	ND*	ND*	ND*

N.D. – None Detected <250 ppm: Di-n-Butyl Phthalate (DnBP), Butyl Benzyl Phthalate (BBP), Di-Ethyl Hexyl Phthalate (DEHP), Di-n-Octyl Phthalate (DnOP), Di-Isononyl Phthalate (DINP) and Di Isodecyl Phthalate (DIDP)



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