



APPLIED TECHNICAL SERVICES, INCORPORATED

1049 Triad Court, Marietta, Georgia 30062 • (770) 423-1400 Fax (770) 424-6415

CHEMICAL TEST REPORT

Ref. C246788 Date January 15, 2016 Page 1 of 4

Customer: Formflex, 33 N Main Street, Bloomington, IN 47832

Attention: Debra Leak

Purchase Order #: Credit Card Part #/Name: See Below

Material Designation: Polymer

Special Requirement: Samples prepared using microwave digestion techniques for lead analyzed per CPSC-CH-E1002-08.

Lab Comment: ICP atomic emission techniques utilized to analyze for lead as per ASTM E1479-99(2011).

Test Results

Composition: (parts per million, mg/kg)

Identification	Pb				
<i>16 C.F.R. 1303 requirements for lead CPSIA Section 101 requirements for lead</i>	†		ATS		
P/N 7090 Black	<4		1	Pass	
P/N 2012 Par Blue	<3		2	Pass	
P/N 6074 Red	<5		3	Pass	
P/N 2017 Azure	<4		4	Pass	
P/N 3462 Forest Green	<2		5	Pass	
P/N7160 Light Gray	<4		6	Pass	
P/N7083 Dark Gray	5		7	Pass	
P/N0467 Bright Yellow	<4		8	Pass	
P/N 8154 Ivory	<2		9	Pass	
P/N 5297 Beige	<3		10	Pass	
P/N 8099 White	<3		11	Pass	

†Requirements for children's consumer products manufactured after August 14, 2011: Lead in accessible substrates 100 ppm maximum; Lead in paints and similar surface coatings 90 ppm maximum.



Prepared by: J. Joris J. Joris
Senior Chemist

Approved by: P.E. Rogers P.E. Rogers
Manager

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Identification	Pb				
16 C.F.R. 1303 requirements for lead CPSIA Section 101 requirements for lead	†		ATS		
P/N 6192 Maroon	<3		12	Pass	
P/N 2011 Blue	8		13	Pass	
P/N 5050 Brown	<3		14	Pass	
P/N 6060 Red	<4		15	Pass	
Clear HDPE	<5		16	Pass	
Clear Polypropylene	<5		17	Pass	
P/N 3037 Emerald	<2		18	Pass	
P/N 6102 Bright Orange	<3		19	Pass	
P/N 2364 Purple	<4		20	Pass	

†Requirements for children's consumer products manufactured after August 14, 2011: Lead in accessible substrates 100 ppm maximum; Lead in paints and similar surface coatings 90 ppm maximum.



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Material Designation: Polymer

Special Requirement: N/A

Lab Comment: GC/MS was used to identify and quantify the phthalate compounds according to CPSC-CH-C1001-09.3.

Test Results

Composition: (parts per million, mg/kg)

Identification			DnHP‡	DnBP‡§	BBP‡§	DEHP‡§	DnOP§	DINP‡§	DIDP‡§
			1000 Max.	1000 Max.	1000 Max.	1000 Max.	1000 Max.	1000 Max.	1000 Max.
P/N 7090 Black	1	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N 2012 Par Blue	2	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N 6074 Red	3	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N 2017 Azure	4	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N 3462 Forest Green	5	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N7160 Light Gray	6	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N7083 Dark Gray	7	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N0467 Bright Yellow	8	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N 8154 Ivory	9	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N 5297 Beige	10	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N 8099 White	11	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.

*N.D. – None Detected <50 ppm: Di-n-Hexyl Phthalate (DnHP) 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)

§CPSIA Subsection 108(a) requirement for phthalates ‡CA Prop 65 requirements for phthalates



Prepared by:

M. Tippens

M. Tippens
Chemist

Approved by:

P.E. Rogers

P.E. Rogers
Manager

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			1000 Max.	1000 Max.	1000 Max.	1000 Max.	1000 Max.	1000 Max.	1000 Max.
P/N 6192 Maroon	12	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N 2011 Blue	13	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N 5050 Brown	14	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N 6060 Red	15	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
Clear HDPE	16	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
Clear Polypropylene	17	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N 3037 Emerald	18	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N 6102 Bright Orange	19	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.
P/N 2364 Purple	20	Pass	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.	*N.D.

*N.D. – None Detected <50 ppm: Di-n-Hexyl Phthalate (DnHP) 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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