



APPLIED TECHNICAL SERVICES, INCORPORATED

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CHEMICAL TEST REPORT

Ref. C134657

Date January 12, 2009

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Customer: Caraustar, 3300 Joe Jenkins Blvd, Austell, GA 30106

Attention: Dave Johnson

Purchase Order #: CC

Part #/Name:

Cardboard Samples (See Results Table)

Material Designation: Cellulosic materials

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
16 C.F.R. 1303 requirements for lead CPSIA Subsection 108(a) requirement for phthalate	600 Max.	1000 Max.	1000 Max.	1000 Max.	1000 Max.	1000 Max.	1000 Max.
Tex 45 (12/10/08)	<6	ND*	ND*	ND*	ND*	ND*	ND*
Tex 45 (11/3/08)	<7	ND*	ND*	ND*	ND*	ND*	ND*
StaSquare (12/12/08)	<7	ND*	ND*	ND*	ND*	ND*	ND*
StaSquare (06/11/08)	<8	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)



Prepared by:

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Senior Chemist

Approved by:

P. E. Rogers
Manager

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