

REPORT NUMBER:

SHAT03502686





TEST REPORT

Number : SHAT03502686

Applicant : BASF POLYURETHANE SPECIALTIES (CHINA)  
COMPANY LTD.  
NO.2333, GANG CHENG ROAD, 200137  
SHANGHAI, CHINA  
Attn : LOIS MAO

Date : Sep 19, 2014

Sample Description :

One (1) Submitted Sample Said To Be Transparent Elastollan Pellets (Nature).

Date Received/Date Test Started : SEP. 12, 2014  
Item Name : BASF Elastollan S Series Pellets  
Manufacturer's Name : BASF Polyurethane Specialties (China) Co., Ltd  
End Uses : Consumer  
Category : Adult & Children  
Goods Exported To : China

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Conclusion:

Heavy Metals M  
Total Cadmium M  
Total Lead M  
Organotin DBT/TBT/ TPhT/DOT M  
PHTHALATES M  
Nonylphenol (NP), Octylphenol (OP), Nonylphenol M  
Ethoxylates (NPEO) And Octylphenol Ethoxylates (OPEO)  
Content

Note : M = Meet Client's Requirement F = Below Client's Requirement  
# = No Specified Requirement \* = No Submitted Information  
N/A = Not Applicable

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Prepared And Checked By:  
For Intertek Testing Services Ltd., Shanghai

Jane Wu  
Assistant General Manager of Textile Division



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Tests Conducted (As Requested By The Applicant)

1 Heavy Metal Analysis:

With Reference To ISO 105 E04 And DIN EN ISO 11885. By Inductively Coupled Argon Plasma Mass Spectrometry (ICP-MS).

<u>Element</u>	<u>Result In ppm</u>	<u>Client's Requirement In ppm</u> <u>Infants</u>
Sol. Lead (Pb)	<0.1	0.2
Sol. Cadmium (Cd)	<0.03	0.1
Sol. Mercury (Hg)	<0.01	0.02
Sol. Chromium (Cr-Total)	<0.5	1.0

Remark : Sol. = Soluble  
ppm = parts per million = mg/kg

2 Total Cadmium (Cd) Content:

As Per EN1122 Method B (Polymers) Or By Microwave Digestion (Metal, Polymers, Prints & Paints), Total Cadmium Content Was Determined By Inductively Coupled Argon Plasma Spectrometry.

<u>Result In ppm</u>	<u>Client's Requirement In ppm</u>
<5	40

Remark : ppm = parts per million = mg/kg

3 Total Lead (Pb) Content:

With Reference To DIN EN ISO 11885, Total Lead Content Was Determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Result In ppm</u>	<u>Client's Requirement In ppm</u>
<10	40

Remark : ppm = parts per million = mg/kg

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4 Organotin Content:

As per ISO/TS 16179, determined by Gas Chromatography-Mass Spectrometer (GC-MS) analysis.

<u>Compound</u>	<u>Result In ppm</u>	<u>Client's Requirement In ppm</u>
Tributyltin (TBT)	ND	ND
Triphenyltin (TPhT)	<0.05	0.5
Dibutyltin (DBT)	<0.05	1
Dioctyltin (DOT)	<0.05	1

Remark : ppm = parts per million = mg/kg  
ND = Not Detected  
Detection limit = 0.05 ppm

5 Phthalate Content Test:

With reference to CPSC-CH-C1001-09.3 And By Gas Chromatographic Mass-Spectrometric (GC-MS) Analysis.

	<u>Result In ppm</u>	<u>Client's Requirement In ppm</u>
Dibutyl Phthalate (DBP)	ND	-
Diethyl Hexyl Phthalate (DEHP)	ND	-
Benzyl Butyl Phthalate (BBP)	ND	-
Di-(Iso-Nonyl) Phthalate (DINP)	ND	-
Di-(N-Octyl) Phthalate (DNOP)	ND	-
Di-(Iso-Decyl) Phthalate (DIDP)	ND	-
Diisobutyl Phthalate (DIBP)	ND	-
Di-C6-8-Branched Alkylphthalates (DIHP)	ND	-
Di-C7-11-Branched Alkylphthalates (DHNUP)	ND	-
Di-n-Hexyl Phthalate (DHP)	ND	-
Bis (2-methoxyethyl) phthalate (BMEP)	ND	-
Dipentyl phthalate (DPP)	ND	-
Sum Of Twelve Phthalates	ND	500

Remark : ppm = parts per million = mg/kg  
Detected Limit = 100 ppm  
ND = Not Detected



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6 Nonylphenol (NP), Octylphenol (OP), Nonylphenol Ethoxylates (NPEO) And Octylphenol Ethoxylates (OPEO)  
Content:

Extraction with dichloromethane (for NP & OP), Draft DIN EN ISO 18254 (for NPEO & OPEO in textiles) and Draft DIN EN ISO 18218-1 (for NPEO & OPEO in leather), followed by Liquid Chromatography- Mass Spectrometer (LC-MS) analysis.

<u>Compound</u>	<u>Result In ppm</u>	<u>Client's Requirement In ppm</u>
NP	<3	10
OP	<3	10
NPEO	<10	-
OPEO	<10	-
Total	<10	250

Remark : ppm = parts per million = mg/kg

End of Report

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