

TEST REPORT

KOTITI NO. : A-14010
APPLICANT : RARA
DATE IN : June 3, 2009
DATE OUT : June 10, 2009

Sample Description	THREE (3) SAMPLES
Item	(A) METAL PART, (B) SILICONE PART, (C) CERAMIC PART
Buyer	N/S
Style Number	N/S
P.O. Number	N/S
Color(s) Submitted	N/S
Submitted Fiber Composition	N/S
Submitted Care Instruction	N/S
Test Result	For further details, please refer to the following page(s).

* N/S : Not Submitted



SANG RAG LEE
GENERAL MANAGER



MYUNG HAK LEE
DIRECTOR GENERAL

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Substances of Very High Concern(SVHC), REACH Regulation (EC) No 1907/2006				
reference no.	Lab reference no.:			
Description:		Sample / part of sample description:	(A) METAL (B) SILICONE (C) CERAMIC	
Parameter * [unit]	Upper Limit	Test method	Result	Rating
4,4'- Diaminodiphenylmethane [mg/kg]	1000	Textile in general: EN14362-1 reporting limit: 50 mg/kg	(B) ND	Pass
Anthracene [mg/kg]	1000	Extraction with organic solvent, determination by GC/MS, US EPA 8270D reporting limit : 50mg/kg	(B) ND	Pass
Dibutyl phthalate [mg/kg]	1000	Extraction with THF/ACN and analysis by HPLC-DAD-MS, confirmation test for DBP using GC/MS Reporting limit : 50 mg/kg	(B) ND	Pass
Di-2-ethylhexylphthalate (DEHP) [mg/kg]	1000	Extraction with THF/ACN and analysis by HPLC-DAD-MS, confirmation test for DBP using GC/MS Reporting limit : 50 mg/kg	(B) ND	Pass
Benzyl butyl phthalate [mg/kg]	1000	Extraction with THF/ACN and analysis by HPLC-DAD-MS, confirmation test for DBP using GC/MS Reporting limit : 50 mg/kg	(B) ND	Pass
Hexabromocyclododecane (HBCDD) [mg/kg]	1000	Extraction with organic solvent, determination by GC/MS reporting limit: 50 mg/kg	(B) ND	Pass
5-tert-butyl-2,4,6-trinitro- m-xylene (musk xylene) [mg/kg]	1000	Extraction with organic solvent, determination by GC/MS reporting limit: 50 mg/kg	(B) ND	Pass
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) [mg/kg]	1000	Extraction with organic solvent, determination by GC/MS reporting limit: 200 mg/kg	(B) ND	Pass
Bis(tributyltin)oxide [mg/kg]	1000	Extraction with organic solvent, determination by GC/MS reporting limit: 50 mg/kg	(B) ND	Pass
Cobalt dichlorides [mg/kg]	1000	Microwave digestion method reporting limit: 100 mg/kg	(A, B&C) ND	Pass
Diarsenic pentaoxide [mg/kg]	1000	Microwave digestion method reporting limit: 100 mg/kg	(A, B&C) ND	Pass
Diarsenic trioxide [mg/kg]	1000	Microwave digestion method reporting limit: 100 mg/kg	(A, B&C) ND	Pass
Sodium dichromate dehydrate [mg/kg]	1000	DIN 53314(Mod.) reporting limit: 100 mg/kg	(A, B&C) ND	Pass
Lead hydrogen arsenate [mg/kg]	1000	Microwave digestion method reporting limit: 100 mg/kg	(A, B&C) ND	Pass

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reference no.	Lab reference no.:			
Description:		Sample / part of sample description:	(A) METAL (B) SILICONE (C) CERAMIC	
Parameter * [unit]	Upper Limit	Test method	Result	Rating
Triethyl arsenate [mg/kg]	1000	Microwave digestion method reporting limit: 100 mg/kg	(A, B&C) ND	Pass

Legend :

N.D.=Not Detected(Report limit)

*see list of tested compounds

	Name	CAS-No
1	4,4'-Diaminodiphenylmethane	101-77-9
2	Anthracene	120-12-7
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7
4	Butyl benzyl phthalate (BBP)	85-68-7
5	Dibutyl phthalate (DBP)	84-74-2
6	Hexabromocyclododecane (HBCDD)	3194-55-6
7	5-tert-butyl 2,4,6-trinitro-m-xylene(musk xylene)	81-15-2
8	Alkanes C10-13 chloro	85535-84-8
9	Bis(tributyltin) oxide	56-35-9
10	Cobalt dichlorides	7646-79-9
11	Diarsenic pentaoxide	1303-28-2
12	Diarsenic trioxide	1327-53-3
13	Sodium dichromate dihydrate	7789-12-0
14	Lead hydrogen arsenate	7784-40-9
15	Triethyl arsenate	15606-95-8

TEST CONDUCTED	TEST RESULT(S)	TEST METHOD
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SAMPLE PICTURE

(A)	(B)	(C)
		