



TEST REPORT

Technical Report: (9313)339-0731

Dec 13, 2013

Date Received: Dec 05, 2013

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张立志
德采化工科技有限公司
福建省石狮市宝盖科技园

Sample Description: Sample(s) received is/are stated to be:
白色膏状

Color:	/	Style No(s):	M 型/H 型系列水性墨
Order No.:	/	PO No.:	/
Age Grade:	Child (0-3)	Product End Use:	水性墨
Vendor:	/	Retest No.:	/
Manufacturer:	德采化工科技有限公司 (DECAI chemical technology co., LTD)	Supplier Reference:	/
Buyer:	/	Country of Origin:	/
Test Period:	Dec 05, 2013 to Dec 13, 2013	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SAMPLE DESCRIPTION ASSIGNED BY LABORATORY

ITEM	ITEM DESCRIPTION
1	White cream

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
PHthalates TEST – PREN 15777	DATA	
PHENOLS CONTENT	DATA	
ALKYLPHENOL ETHOXYLATES (APEO) AND ALKYLPHENOL (AP) CONTENT	DATA	
ORGANOTIN COMPOUNDS CONTENT	DATA	
FREE AND HYDROLYZED FORMALDEHYDE CONTENT	DATA	
DIMETHYL FUMARATE CONTENT	DATA	
PERFLUOROOCTANE SULPHONATES (PFOS) CONTENT	DATA	
PESTICIDES CONTENT	DATA	
POLYVINYL CHLORIDE (PVC) IDENTIFICATION	DATA	
MIGRATION OF CERTAIN ELEMENTS	DATA	

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REMARK

If there are questions or concerns on this report, please contact:

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BUREAU VERITAS CONSUMER PRODUCTS SERVICES (GUANGZHOU) CO., LTD

CHARLES WONG
ANALYTICAL LAB MANAGER

Photo of the Submitted Sample





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TEST RESULT

Phthalates Test – prEN 15777

Parameter	CAS No.	Unit	Result
			1
Dibutyl phthalate (DBP)	84-74-2	mg/kg	<50
Butyl benzyl phthalate (BBP)	85-68-7	mg/kg	<50
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	<50
Di-n-octyl phthalate (DNOP)	117-84-0	mg/kg	<50
Di-iso-decyl phthalate (DIDP)	26761-40-0	mg/kg	<50
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	<50

Note: “<” = less than

Method: Sample was extracted with organic solvent and then analyzed by Liquid Chromatograph Mass Spectrometer / Gas Chromatograph Mass Spectrometer.

Phenols Content

Parameter	Unit	Result
		1
Pentachlorophenol (PCP)	mg/kg	< 0.05
Tetrachlorophenol (TeCP)	mg/kg	< 0.05
Ortho-phenylphenol (OPP)	mg/kg	< 0.05

Note: mg/kg = milligram per kilogram
“<” = less than

Method: PCP & TeCP:
Acetone extraction, derivatisation and analysis by GC-MS (For leather)
Potassium hydroxide extraction and analysis by LC-MS (For textile, plastic and paper)
OPP:
Acetone extraction, derivatisation and analysis by GC-MS

TEST RESULT

Pesticides Content

Parameter	Unit	Result
		1
Pesticides	mg/kg	<0.5

Note: mg/kg = milligram per kilogram
 “<” = less than

Method: Sample was extracted with organic solvent and then analyzed by Gas Chromatography Mass Spectrometer.

Remark: List of Pesticides

No.	Pesticide	CAS-Nr.	No.	Pesticide	CAS-Nr.
1	2,4,5-T	93-76-5	31	Fenvalerate	51630-58-1
2	2,4-D	94-75-7	32	Heptachlor	76-44-8
3	Azinophosmethyl	86-50-0	33	Heptachlororepoxide	1024-57-3
4	Azinophosethyl	2642-71-9	34	Hexachlorobenzene	118-74-1
5	Aldine	309-00-2	35	Hexachlorocyclohexane, α -	319-84-6
6	Bromophosethyl	4824-78-6	36	Hexachlorocyclohexane, β -	319-85-7
7	Captafol	2425-06-1	37	Hexachlorocyclohexane, δ -	319-86-8
8	Carbaryl	63-25-3	38	Isodrine	465-73-6
9	Chlordane	57-74-9	39	Kelevane	4234-79-1
10	Chlordimeform	1970-95-9	40	Kepone	143-50-0
11	Chlorfenvinphos	470-90-6	41	Lindane	58-89-9
12	Coumaphos	56-72-4	42	Malathion	121-75-5
13	Cyfluthrin	68359-37-5	43	MCPA	94-74-6
14	Cyhalothrin	91465-08-6	44	MCPB	94-81-5
15	Cypermethrin	52315-07-8	45	Mecoprop	93-65-2
16	DEF	78-48-8	46	Metamidophos	10265-92-6
17	Deltamethrin	52918-63-5	47	Methoxychlor	72-43-5
18	DDD	53-19-0, 72-54-8	48	Mirex	2385-85-5
19	DDE	3424-82-6, 72-55-9	49	Monocrotophos	6923-22-4
20	DDT	50-29-3, 789-02-6	50	Parathion	56-38-2
21	Diazinon	333-41-5	51	Parathion-methyl	298-00-0
22	Dichloroprop	120-36-2	52	Perthane	72-56-0
23	Dicrotophos	141-66-2	53	Phosdrin/Mevinphos	7786-34-7
24	Dieldrine	60-57-1	54	Propethamphos	31218-83-4
25	Dimethoate	60-51-5	55	Profenophos	41198-08-7
26	Dinoseb and salts	88-85-7	56	Quinalphos	13593-03-8
27	Endosulfan - α -	115-29-7	57	Stroane	8001-50-1
28	Endosulfan, β -	33213-65-9	58	Teledrine	297-78-9
29	Endrine	72-20-8	59	Toxaphene	8001-35-2
30	Esfenvalerate	66230-04-4	60	Trifluralin	1582-09-8



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TEST RESULT

Polyvinyl Chloride (PVC) Identification

Test Item	Result
1	PVC free

Method: Beilstein test and Fourier Transform Infrared Spectroscopy (FT-IR) with or without chemical separation.

Migration of Certain Elements

Test Method : European Standard EN 71 Part 3: 1994 with Amendments A1: 2000 and AC: 2002, Section 8.

See Soluble Element (Parameter) and its corresponding Maximum Allowable Limit (Req.) in Result Table	Type I	Dry, brittle, powder-like or pliable toy material
	Type II	Liquid or sticky toy material
	Type III	Scraped-off toy material
-	Unit	Result
Test Item(s)	-	1
Type	-	III
Parameter	-	-
Mass of Trace Amount	g	-
Aluminium (Al)	mg/kg	ND
Antimony (Sb)	mg/kg	ND
Arsenic (As)	mg/kg	ND
Barium (Ba)	mg/kg	ND
Boron (B)	mg/kg	ND
Cadmium (Cd)	mg/kg	ND
Chromium III (Cr III)	mg/kg	ND
Chromium VI (Cr VI)	mg/kg	ND
Cobalt (Co)	mg/kg	ND
Copper (Cu)	mg/kg	ND
Lead (Pb)	mg/kg	ND
Manganese (Mn)	mg/kg	ND
Mercury (Hg)	mg/kg	ND
Nickel (Ni)	mg/kg	ND
Selenium (Se)	mg/kg	ND
Strontium (Sr)	mg/kg	ND
Tin (Sn)	mg/kg	ND
Organic tin	mg/kg	ND
Zinc (Zn)	mg/kg	ND
Conclusion	-	-



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APPENDIX

List of Phthalates :					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Butyl benzyl phthalate (BBP)	85-68-7	4	Di-n-octyl phthalate (DNOP)	117-84-0
2	Dibutyl phthalate (DBP)	84-74-2	5	Di-iso-nonyl phthalate (DINP)	28553-12-0
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	6	Di-iso-decyl phthalate (DIDP)	26761-40-0

Organotin Compounds:			
No.	Name	No.	Name
1	Dibutyltin (DBT)	5	Tripopyltin (TPT)
2	Tributyltin (TBT)	6	Triphenyltin (TPhT)
3	Dioctyltin (DOT)	7	Tricyclohexyltin (TcyT)
4	Trioctyltin (TOT)		