



Technical Report: (9316)300-1074

Nov 01, 2016

Date Received: Oct 26, 2016

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HU CHANG SHENG
DONG GUAN SI YUAN/ CHANG YUAN CO. LTD
DONGGUAN CITY LIAOBU TOWN NIUYANG FENGHUANG ROAD

Material Description: Water-Soluble Silicone Fluid
Material Name_ColorKey: /
Color:
Color(s): White
Quarter/Season: /
Material Supplier: /
Material Type: Water base
Style No.: WF-618 Water-Soluble Silicone Fluid
Country of Origin: /
Age Group: /
Sample Type: /
Test Category: Supplier Internal
Test Period: Oct 26, 2016 to Nov 01, 2016
No. of Working Days: 5
Retest No.: /
Overall Conclusion: PASS

REMARK

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

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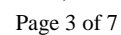
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Photo of the Submitted Sample





Note: NA = Not Applicable NR = Not Requested
The photograph(s) of failed test item(s) is (are) shown in Appendix if necessary.

ITEM	ITEM DESCRIPTION
1	White liquid



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TEST RESULT

NP, OP, NPEOs & OPEOs

Test Method : Textile/ Leather:
Agreed method of BVCPS, INTERTEK, MTS and SGS for AFIRM and analysis by Gas Chromatograph Mass Spectrometer (GC-MS) (Modified for AP)/ Liquid Chromatograph Mass Spectrometer (LC-MS) (For APEO)

Test Method : Others:
THF extraction (70oC, 60 mins) analysis by Gas Chromatograph Mass Spectrometer (GC-MS) (For AP)/ Liquid Chromatograph Mass Spectrometer (LC-MS) (For APEO)

Tested Item(s) : 1 White liquid

Maximum Limit:	OP and NP: 100 mg/kg (Sum) OPEOs and NPEOs: 100 mg/kg (Sum)			
Tested Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
1	ND	ND	mg/kg	PASS

Note:

ND = Not detected ">" = More than Conc. = Concentration
mg/kg = milligram per kilogram
Detection Limit (mg/kg): Each (OP & NP) 10; Sum (OP & NP) 10; Each (OPEOs & NPEOs) 30; Sum (OPEOs & NPEOs) 30

Remark:

- The list of alkylphenols and alkylphenol ethoxylates is summarized in table of Appendix.
- Dr. Ehrenstorfer product code: 15629000, is used for NP quantification.



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TEST RESULT

Organotin (TBT & TPhT, DBT & MBT, DOT)

Test Method : ISO 17353:2004 (Modified). Ethanol extraction, derivatisation and analysis by GC-MS or LC-MS.

Tested Item(s) : 1 White liquid

Maximum Limit:	MBT and DBT: 1.0 mg/kg (Each) TBT and TPhT: 0.5 mg/kg (Sum) DOT: 1000 mg/kg			
Tested Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
1	ND	ND	mg/kg	PASS

Note:

ND = Not detected

“>” = More than

Conc. = Concentration

mg/kg = milligram per kilogram

Detection Limit (mg/kg): Each 0.02; Sum (TBT & TPhT) 0.04

Remark:

- The list of organotin compounds is summarized in table of Appendix.



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TEST RESULT

Sum of Phthalates

Test Method : With reference to CPSC-CH-C1001-09.3. Solvent extraction and analysis by Gas Chromatograph Mass Spectrometer (GC-MS), confirmation by Liquid Chromatograph Mass Spectrometer (LC-MS)

Tested Item(s) : 1 White liquid

Maximum Limit:	Children (0 – 12 Years):			
	Sum of 19 Listed Phthalates: Less than 500 mg/kg (Sum)			
	Adults:			
	Sum of 19 Listed Phthalates: Less than 1000 mg/kg (Sum)			

Tested Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
1	ND	ND	mg/kg	PASS

Note:

ND = Not detected

“>” = More than

Conc. = Concentration

mg/kg = milligram per kilogram

Detection Limit (mg/kg): Each 50, Sum 150

Remark:

- The list of phthalates is summarized in table of Appendix.

END



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APPENDIX

List of Alkylphenols:

No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Octylphenol (OP)	Various	2	Nonylphenol (NP)	Various

List of Alkylphenol Ethoxylates:

No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Octylphenolethoxylates (OPEOs)	Various	2	Nonylphenolethoxylates (NPEOs)	Various

List of Organotin Compounds:

No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Monobutyltin (MBT)	Various	4	Triphenyltin (TPhT)	Various
2	Dibutyltin (DBT)	Various	5	Diocetyl tin (DOT)	Various
3	Tributyltin (TBT)	Various	-	-	-

List of Phthalates:

No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Butyl benzyl phthalate (BBP)	85-68-7	11	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8
2	Dibutyl phthalate (DBP)	84-74-2	12	Dimethyl phthalate (DMP)	131-11-3
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	13	Diethyl phthalate (DEP)	84-66-2
4	Di-n-octyl phthalate (DNOP)	117-84-0	14	Ddi-iso-pentyl phthalate (DIPP)	605-50-5
5	Di-iso-nonyl phthalate (DINP)	28553-12-0	15	N-pentyl iso-pentyl phthalate (NPIPP)	776297-69-9
6	Di-iso-decyl phthalate (DIDP)	26761-40-0	16	Dipentyl phthalate (DPP)	131-18-0
7	Di-isobutyl phthalate (DIBP)	84-69-5	17	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0
8	Di-n-hexyl phthalate (DnHP)	84-75-3	18	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (DHP)	68515-50-4
9	1,2-benzenedicarboxylic acid, di-C7-11 branched alkyl ester and linear alkyl ester (DHNUP)	68515-42-4	19	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate	68515-51-5/ 68648-93-1
10	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl ester, C7-rich (DIHP)	71888-89-6	-	-	-