

Report No.: 244429828b 001

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Client: Zhejiang Luoxing Chemical Co., Ltd.

Contact Information: No. 1621, Bujiao Road, Daqiao Town, Nanhu District, Jiaxing City, Zhejiang Province.
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Identification/ Model No(s): Waterborne polyurethane curing agent DJ-0943

Sample obtaining method: Sending by customer

Sample Receiving date: 2022-06-13

Condition at delivery: Test item complete and undamaged

Testing Period: 2022-06-17 to 2022-06-22

Place of testing: Chemical laboratory Shanghai

Test specification: Technical information selection and determination of chemical compounds (ZDHC MRS� version 2.0)

Other Informatio
Country of Origin: CHINA.

For and on behalf of
TÜV Rheinland (Shanghai) Co., Ltd.



2022-06-24

Nicky Chen / Assistant Manager

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed. This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products. "Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Test specification:**Test result:****ZDHC Manufacturing Restricted Substances List - Version 2.0**

- | | |
|-------------------------------------|------|
| 1. Glycols/ Glycol Ethers | Pass |
| 2. Halogenated Solvents | Pass |
| 3. Volatile Organic Compounds (VOC) | Pass |

Material list

Material No.	Material	Location
M001	Liquid	Waterborne polyurethane curing agent DJ-0943

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Test results**Glycols/ Glycol Ethers**

Test Method: Organic solvent extraction, GCMS

Test Result:

Test Parameter	CAS No.	Unit	RL	Test No.	1
				Material No.	M001
				Formulation Limit	Test Result
Ethylene glycol dimethylether	110-71-4	ppm	10	50	<RL
2-methoxyethylacetate	110-49-6	ppm	10	50	<RL
2-ethoxyethanol	110-80-5	ppm	10	50	<RL
2-methoxyethanol	109-86-4	ppm	10	50	<RL
Bis(2-methoxyethyl)-ether	111-96-6	ppm	10	50	<RL
2-ethoxyethyl acetate	111-15-9	ppm	10	50	<RL
2-methoxypropylacetate	70657-70-4	ppm	10	Textile: 50 Leather: 1000 Other: NA	<RL
Triethylene glycol dimethyl ether	112-49-2	ppm	10	50	<RL
Conclusion			--	--	Pass

Abbreviation: < = less than
 RL = Reporting Limit
 ppm = part per million

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Halogenated Solvents

Test Method: Organic solvent extraction, GCMS

Test Result:

Test Parameter	CAS No.	Unit	RL	Test No.	1
				Material No.	M001
				Formulation Limit	Test Result
Methylene chloride	75-09-2	ppm	2	5	<RL
Trichloroethylene	79-01-6	ppm	2	40	<RL
Tetrachloroethylene	127-18-4	ppm	2	5	<RL
Benzylchloride	100-44-7	ppm	2	5/ Dyes:100	<RL
1,2-dichloroethane	107-06-2	ppm	2	5	<RL
Conclusion			--	--	Pass

Abbreviation: < = less than
 RL = Reporting Limit
 ppm = part per million

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Volatile Organic Compounds (VOC)

Test Method: Organic solvent extraction, GCMS

Test Result:

Test Parameter	CAS No.	Unit	RL	Test No.	1
				Material No.	M001
				Formulation Limit	Test Result
Benzene	71-43-2	ppm	20	50	<RL
o-cresol	95-48-7	ppm	100	500	<RL
p-cresol	106-44-5	ppm	100	500	<RL
Xylene	1330-20-7	ppm	100	500	<RL
m-cresol	108-39-4	ppm	100	500	<RL
Conclusion			--	--	Pass

Abbreviation: < = less than
 RL = Reporting Limit
 ppm = part per million

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Sample photos



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