

Test Report

Applicant : R&L Intertek No. : RIT14-DT00859-E
 Address : 108, Haan-ro, Gwangmyeong-si, Gyeonggi-do, Korea Date Resubmitted : 2014. 02. 13
 Date out : 2014. 02. 18
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Information of Sample

Sample No.	Product Type	Style No.	Color
#1	Textile	Quantum Energy	-

Test Results

Test Item	#1	#2	#3	#4
VOC(Toulene)	**			
Phthalate	Pass			
Allergic Dye	Pass			
Formaldehyde(*)	Pass			
Arylamine(*)	Pass			

1. The test item marked (*) : According to safety requirements of KC regulations
2. Tested by KS standards according to Korea Certification regulations

Prepared And Checked By :
 For Intertek. Testing Services Korea Ltd.



Lab Manager

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1. VOC(Tolylene) By HSS-GC/MS Analysis

	#1	Requirement
	N.D.	

Remark) N.D. : Not Detected (Less than 5mg/kg), Detection Limit: 5mg/kg

2. Phthalate (%) Self-regulatory safety confirmation Annex 35.C

	#1	Requirement
Dibutyl phthalate (DBP)	N.D.	Max. 1.0
Di(2-ethylhexyl) phthalate (DEHP)	N.D.	
Benzyl butyl phthalate (BBP)	N.D.	

Remark) N.D. : Not Detected (Less than 0.01%), Detection Limit: 0.01%

3. Allergic Dye (mg/l) _ KS K 0736 : 2012

	#1	Requirement
Disperse Blue 1	N.D	N.D
Disperse Blue 3	N.D	
Disperse Blue 7	N.D	
Disperse Blue 26	N.D	
Disperse Blue 35	N.D	
Disperse Blue 102	N.D	
Disperse Blue 106	N.D	
Disperse Blue 124	N.D	
Disperse Brown 1	N.D	
Disperse Orange 1	N.D	
Disperse Orange 3	N.D	
Disperse Orange 37/76	N.D	
Disperse Orange 149	N.D	
Disperse Red 1	N.D	
Disperse Red 11	N.D	
Disperse Red 17	N.D	
Disperse Yellow 1	N.D	
Disperse Yellow 3	N.D	
Disperse Yellow 9	N.D	
Disperse Yellow 23	N.D	
Disperse Yellow 39	N.D	
Disperse Yellow 49	N.D	

Remark) N.D : Not Detected (Less than 1mg/l),Detection Limit: 1mg/l

4. Formaldehyde(mg/kg) KS M ISO 17226 : 2004

#1	Requirement
N.D.	Max. 75

Remark) N.D. : Not Detected (Less than 5mg/kg), Detection Limit: 5mg/kg

5. Arilamine(mg/kg) KS K 0147 : 2007

	#1	Requirement
2,4,5-Trimethylaniline	N.D.	Max. 30
2,4-Diaminoaniso(4-Methoxy-m-Phenylenediamin)	N.D.	
2,4-Toluylenediamine	N.D.	
2,4-Xylidine	N.D.	
2,6-Xylidine	N.D.	
2-Amino-4-nitrotoluene	N.D.	
2-Naphthylamine	N.D.	
3,3'-Dichlorobenzidine	N.D.	
3,3'-Dimethoxybenzidine	N.D.	
3,3'-Dimethyl-4,4-Diaminodiphenylmethane	N.D.	
3,3'-Dimethylbenzidine	N.D.	
4,4'-Diaminodiphenylmethane	N.D.	
4,4'-Methylene-Bis-(2-chloroaniline)	N.D.	
4,4'-Oxydianiline	N.D.	
4,4'-Thiodianiline	N.D.	
4-Aminnoazobezene	N.D.	
4-Aminobiphenyl	N.D.	
4-Chloro-o-toluidine	N.D.	
Benzidine	N.D.	
o-Aminoazotoluene	N.D.	
o-Anisidine	N.D.	
o-Toluidine	N.D.	
p-Chloraniline	N.D.	
p-Kresidine(2-Methoxy-5-Methylaniline)	N.D.	

Remark) N.D. : Not Detected (Less than 20mg/kg) ,Detection Limit: 5mg/kg

Sample Photo

