

TEST REPORT

JLR - TC61762000009972P

Report No. : CH:TX:1142010056

DATE : 03/03/2020

1142010056

ROGER INDUSTRIES LIMITED

12TH K.M MILE STONE, AGRA - MATHURA ROAD ARTONI

Uttar Pradesh, Agra-282003

IN

CONTACT PERSON : CHETAN

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

PRODUCT DESCRIPTION	INSOLE	
	NON WOVEN INSOLE SHEET	
COLOUR	BEIGE	
END USE	FOOTWEAR	
SUPPLIER NAME	PC SALES CORPORTION	
MATERIAL NAME	PC 1000 INSOLE SHEET	
COUNTRY OF DESTINATION	GERMANY	
COUNTRY OF ORIGIN	INDIA	
SAMPLE RECD ON	26-Feb-2020	TESTING PERIOD : 26/02/2020 - 03/03/2020

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RESULT SUMMARY

TESTS	PASS	FAIL	REMARKS
Azo Dyes (Direct Reduction)			
1			REFER RESULTS
ALKYL PHENOL AND ALKYL PHENOL ETHOXYLATES			
1			REFER RESULTS
ORGANO TIN COMPOUNDS			
1			REFER RESULTS
FORMALDEHYDE CONTENT			
1			REFER RESULTS
DIMETHYL FUMARATE			
1			REFER RESULTS
CHLORINATED BENZENES AND TOLUENES			
1			REFER RESULTS
CARCINOGENIC DYES			
1			REFER RESULTS
POLYCYCLIC AROMATIC HYDROCARBON			
1			REFER RESULTS
CHLORINATED PARAFFINS			
1			REFER RESULTS
CHLORINATED PHENOLS			
1			REFER RESULTS

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DISPERSE DYES			
1			REFER RESULTS
TOTAL METAL CONTENT			
1			REFER RESULTS

per pro SGS India Private Ltd.



P.SHANMUGAM

EXECUTIVE

Email your Test Report Related Enquiries at Feedback.SLT@sgs.com

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R E S U L T S

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COMPONENT LIST /LIST OF MATERIALS

SAMPLE NO.	MATERIAL NO.	COMPONENT	MATERIAL	COLOR	FIBER TYPE*	REMARK
1	1	INSOLE SHEET	--	ROSE		

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Azo Dyes (Direct Reduction)

According to ISO 14362-1:2017/Analysis was performed by GC-MS/HPLC-DAD

1

No.	Forbidden Amines Substances	CAS-No.	Result
1	4-aminodiphenyl/xenylamine/Biphenyl-4-ylamine	92-67-1	ND
2	Benzidine	92-87-5	ND
3	4-chlor-o-toluidine	95-69-2	ND
4	2-naphthylamine	91-59-8	ND
5	o-aminoazotoluene/4-o-tolylazo-o-toluidine/4-amino-2',3'-dimethylazobenzene	97-56-3	ND
6	2-amino-4-nitrotoluol/5-nitro-o-toluidine	99-55-8	ND
7	p-chloranilin/4-chloroaniline	106-47-8	ND
8	2,4-diaminoanisol/4-methoxy-m-phenylenediamine	615-05-4	ND
9	4,4'-diaminodiphenylmethane/4,4-methylenedianiline	101-77-9	ND
10	3,3'-dichlorobenzidine/3,3'dichlorobiphenyl-4,4'-ylenedi amine	91-94-1	ND
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	ND
12	3,3'-dimethybenzidine/4,4'-bi-o-Toluidine	119-93-7	ND
13	3,3'-dimethyl-4,4'-diaminodipenylmethane/4,4'-methylene di-o-toluidine	838-88-0	ND
14	p-cresidin/6-methoxy-m-toluidine	120-71-8	ND
15	4,4'-methylene-bis-(2-chloro-aniline)/2,2'-dichloro-4,4'met hylene-dianiline	101-14-4	ND
16	4,4'-oxydianiline	101-80-4	ND
17	4,4'-thiodianiline	139-65-1	ND

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18	o-toluidine/2-aminotoluene	95-53-4	ND
19	2,4-toluyldiamine/4-methyl-m-phenylenediamine	95-80-7	ND
20	2,4,5-trimethylaniline	137-17-7	ND
21	4-aminoazobenzene	60-09-3	ND
22	o-anisidine/ 2-methoxyaniline	90-04-0	ND
23	2,4-Xylidine	95-68-1	ND
24	2,6-Xylidine	87-62-7	ND
Conclusion:			PASS

Note: Composite test has been performed as per special request of client.

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Note: ND=Not Detected

Method Detection Limit=5 mg/kg (for individual compound)

Max. Limit (mg/kg): 30 mg/kg (ppm)

NIL= Inconclusive (Conclusion cannot be given since the sample was tested on composite of all the colors/components)

Remark:

+ Direct reduction refers to the extraction and reduction according to ISO 14362-1:2017 clause 10.2 and relevant clauses.

Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphylamine (CAS number 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used.

In case polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4-methylene-dianiline (MDA, CAS number 101-77-9) and 2,4-toluylen-diamine (TDA, CAS number 95-80-7) are released from the PU component and not from a banned azo colorant.

In case of pigment prints care has to be taken that 4,4-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

The ISO 14362-1:2017 method will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine. If aniline and/or 1,4-phenylenediamine is not found (i.e. 5mg/kg) by mentioned test method, test result for

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4-aminoazobenzene (CAS no. 60-09-3) is considered as "not detected" (i.e. <5mg/kg). Otherwise, the test method of ISO 14362-3:2017 will be employed to verify the presence of 4-aminoazobenzene.

ALKYL PHENOL AND ALKYL PHENOL ETHOXYLATES

Textile: With reference to ISO 18254-1:2016. Analysis was performed by HPLC-MS

1		
Nonyl Phenol(NP)		ND
Octyl Phenol(OP)		ND
Nonyl Phenol Ethoxylate(NPEO)		ND
Octyl Phenol Ethoxylate(OPEO)		ND
Sum of AP and APEO		ND
Note: ND - Not Detected ; Method Detection Limit: 30 mg/kg		

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ORGANO TIN COMPOUNDS

With reference to ISO/TS 16179: 2012/Analysis by GC-MS

1		
DIBUTYL TIN (DBT)		ND
TRIBUTYL TIN (TBT)		ND
TRIPHENYL TIN (TPhT)		ND
DIOCTYL TIN (DOT)		ND
Note: ND - Not Detected ; Method Detection Limit: 0.1 mg/kg		

FORMALDEHYDE CONTENT

EN ISO 14184-1:2011

1		
FORMALDEHYDE CONTENT		55.3 mg/kg

Note: Method Detection Limit: 16 mg/kg

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DIMETHYL FUMARATE

ISO/TS 16186/Analysis by GCMS

1
RESULT ND

Note: ND - Not Detected ; Method Detection Limit: 0.1 mg/kg

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CHLORINATED BENZENES AND TOLUENES

With reference to DIN 54232:2010. Analysis was performed by GC-MS.

<u>1</u>	
Monochlorobenzene	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	0.14 mg/kg
1,2,3-Trichlorobenzene	ND
1,2,4-Trichlorobenzene	ND
1,3,5-Trichlorobenzene	ND
1,2,3,4-Tetrachlorobenzene	ND
1,2,3,5-Tetrachlorobenzene	ND
1,2,4,5-Tetrachlorobenzene	ND
Pentachlorobenzene	ND
Hexachlorobenzene	ND
2-Chlorotoluene	ND
3-Chlorotoluene	ND
4-Chlorotoluene	ND
2,3-Dichlorotoluene	ND
2,4-Dichlorotoluene	ND
2,5-Dichlorotoluene	ND
2,6-Dichlorotoluene	ND
3,4-Dichlorotoluene	ND
3,5-Dichlorotoluene	ND
2,3,4-Trichlorotoluene	ND
2,3,6-Trichlorotoluene	ND
2,4,5-Trichlorotoluene	ND

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2,4,6-Trichlorotoluene ND
 3,4,5-Trichlorotoluene ND
 2,3,4,5-tetrachlorotoluenes ND
 2,3,5,6-tetrachlorotoluenes ND
 2,3,4,6-tetrachlorotoluenes ND
 Pentachlorotoluene ND
 Note: ND - Not Detected ; Method Detection Limit: 0.1 mg/kg

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CARCINOGENIC DYES

DIN 54231/Analysis by HPLC-DAD/MS

1

No.	CARCINOGENIC DYES	CAS NO.	Result
1	ACID RED 26	3761-53-3	ND
2	BASIC RED 9	569-61-9	ND
3	BASIC VIOLET 14	632-99-5	ND
4	DIRECT BLACK 38	1937-37-7	ND
5	DIRECT BLUE 6	2602-46-2	ND
6	DIRECT RED 28	573-58-0	ND
7	DISPERSE BLUE 1	2475-45-8	ND
8	DISPERSE ORANGE 11	82-28-0	ND
9	DISPERSE YELLOW 3	2832-40-8	ND

Note: ND - Not Detected ; Method Detection Limit: 15 mg/kg

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POLYCYCLIC AROMATIC HYDROCARBON

With reference to AfPS GS 2014:01 PAK/ Analysis was conducted by GC-MS

1	
Naphthalene	ND
Acenaphthylene	ND
Acenaphthene	ND
Fluorene	ND
Anthracene	ND
Fluoranthene	ND
Pyrene	ND
Benz(a)anthracene	ND
Chrysene	ND
Benzo(b)Fluoranthene	ND
Benzo(k) Fluoranthene	ND
Benzo(a)pyrene	ND
Indeno(1,2,3-cd) pyrene	ND
Dibenz (a,h) anthracene	ND
Benzo (g,h,i) peylene	ND
Phenanthrene	ND
Benzo(e) Pyrene	ND
Benzo(j) fluoranthene	ND

Note: ND - Not Detected ; Method Detection Limit: 0.2 mg/kg

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CHLORINATED PARAFFINS

With reference to ISO 18219: 2015. Analysis was performed by GC-NCI-MS/ GC-ECD

1	
Short Chain Chlorinated Paraffins (SCCP)	ND
C10-C13	
Medium Chain Chlorinated Paraffins	ND
(MCCP) C14-C17	

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Note: ND - Not Detected ; Method Detection Limit: 100 mg/kg

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CHLORINATED PHENOLS

With reference to § 64 LFGB B 82.02.8: 2001 with KOH extraction – Analysis was performed by GC-ECD / GC-MS.

1		
Pentachlorophenol (PCP)		ND
2,3,5,6- Tetrachlorophenol		ND
2,3,4,6- Tetrachlorophenol		ND
2,3,4,5- Tetrachlorophenol		ND
2,3,4- TriChlorophenol		ND
2,3,5- TriChlorophenol		ND
2,3,6- TriChlorophenol		ND
2,4,5- TriChlorophenol		ND
2,4,6- TriChlorophenol		ND
3,4,5- TriChlorophenol		ND
2,3- Dichlorophenol		ND
2,4- Dichlorophenol		ND
2,5- Dichlorophenol		ND
2,6- Dichlorophenol		ND
3,4- Dichlorophenol		ND
3,5- Dichlorophenol		ND
2- Chlorophenol		ND
3- Chlorophenol		ND
4- Chlorophenol		ND

Note: ND - Not Detected ; Method Detection Limit: 0.25 mg/kg

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DISPERSE DYES

With reference to DIN 54231: 2005/Analysis by LC-MS-DAD

1	No.	DISPERSE DYES	CAS NO.	Result
	1	DISPERSE ORANGE 37/76	13301-61-6	ND

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2	DISPERSE ORANGE 3	730-40-5	ND
3	DISPERSE YELLOW 9	6373-73-5	ND
4	DISPERSE YELLOW 49	54824-37-2	ND
5	DISPERSE YELLOW 3	2832-40-8	ND
6	DISPERSE YELLOW 39	12236-29-2	ND
7	DISPERSE BLUE106	12223-01-7	ND
8	DISPERSE BLUE 124	61951-51-7	ND
9	DISPERSE BLUE 35	*	ND
10	DISPERSE BLUE 1	2475-45-8	ND
11	DISPERSE RED 1	2872-52-8	ND
12	DISPERSE RED11	2872-48-2	ND
13	DISPERSE RED 17	3179-89-3	ND
14	DISPERSE ORANGE 1	2581-69-3	ND
15	DISPERSE BLUE 7	3179-90-6	ND
16	DISPERSE BLUE 3	2475-46-9	ND
17	DISPERSE BLUE 26	3860-63-7	ND
18	DISPERSE BLUE 102	12222-97-8	ND
19	DISPERSE YELLOW 1	119-15-3	ND
20	DISPERSE BROWN 1	23355-64-8	ND
21	DISPERSE YELLOW 23	6250-23-3	ND

* Disperse Blue 35 CAS No.: 56524-77-7 & 56524-76-6.

Note: ND - Not Detected ; Method Detection Limit: 15 mg/kg

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TOTAL METAL CONTENT

With Reference to EN ISO 17072-2:2011 / Analysis by ICP-MS

1

No.	PARAMETERS	RESULT	Det.Limit
1	LEAD (Pb)	ND	5 mg/kg
2	ANTIMONY (Sb)	ND	5 mg/kg
3	ARSENIC (As)	ND	5 mg/kg
4	CHROMIUM (Cr)	ND	5 mg/kg
5	CADMIUM (Cd)	ND	5 mg/kg
6	MERCURY (Hg)	ND	5 mg/kg
7	NICKEL (Ni)	ND	5 mg/kg
8	COPPER (Cu)	ND	5 mg/kg
9	COBALT (Co)	ND	5 mg/kg

Note : ND = Not Detected

☒ - Marked tests are not in NABL Scope

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