



ULR -TC629321000055635P

TEST REPORT**Report No. : GR:TX:1241054578****DATE : 14/10/2021****I K INTERNATIONAL**

15/264 CIVIL LINES

Uttar Pradesh, Kanpur-208001

INDIA

CONTACT PERSON : JAFAR KHALID**THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :**

PRODUCT DESCRIPTION	FABRIC COTTON SHTING POLKA (IZ-20211009)
COLOUR	BLACK (2.5MM POLKA)
ORDER NUMBER	66709, 66717, 66723, 66726, 66728, 66730, 66732, 66733, 66735, 66737, 66739, 66741, 66743
END USE	CONSUMER
FIBRE CONTENT	100% COTTON
COUNTRY OF DESTINATION	DENMARK
COUNTRY OF ORIGIN	INDIA
SAMPLE RECD ON	11-Oct-2021

TESTING PERIOD : 11/10/2021 - 14/10/2021

TESTS	PASS	FAIL	REMARKS
POLYVINYL CHLORIDE	X		
Azo -amines	X		
PHTHALATES	X		
pH VALUE	X		

Note: NABL symbol is published only on the page/s having accredited parameters.

NOTE:

- 1.Submitted sample has been tested for supplier reference only.
- 2.The testing is performed for the SELF REFERENCE of the customer as per requested protocols.
3. Only selective tests are conducted as per Supplier's request.
4. The report is not generated in Buyer format ,as the same is for supplier reference only.

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per pro SGS India Private Ltd.

PRAVABATI KHATUA

EXECUTIVE

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

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Member of the SGS Group (SGS SA)

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R E S U L T S

REQ

COMPONENT LIST /LIST OF MATERIALS

SAMPLE NO.	MATERIAL NO.	COMPONENT	MATERIAL	COLOR	FIBER TYPE*	REMARK
A	1	PRINTED LINING FABRIC	TEXTILE	BLACK/ GOLDEN	A	

* This fiber type identification is for the selection of azo dye testing procedure.

Note:

Type A = Textile contains natural fibers only and/or regenerated fibers exclude the group of acetate.

Type B = Textile contains polyester fibers only.

Type C = Textile contains man-made fibers and/or man-made blended fibers (except polyester fibers).



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R E S U L T S
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POLYVINYL CHLORIDE
Beilstein Test

POLYVINYL CHLORIDE

Negative

Not allowed

Note: The test is subcontracted to SGS India Pvt. Ltd. Chennai Branch.

If Beilstein test shows positive FTIR confirmation is required.

Azo -amines

According to EN ISO 14362-1:2017. Analysis was conducted by GC-MS / HPLC-DAD. Determination of 4-aminoazobenzene (CAS No.:60-09-3)- EN ISO 14362-3:2017, with the use of GC-MS / HPLC-DAD. Direct reduction approach only

Result

No.	Amines:	CAS-No.	Result
1	4-aminodiphenyl/xenylamine/Biphenyl-4-ylamine	92-67-1	n.d.
2	Benzidine	92-87-5	n.d.
3	4-chlor-o-toluidine	95-69-2	n.d.
4	2-naphthylamine	91-59-8	n.d.
5	o-aminoazotoluene/4-o-tolylazo-o-toluidine/4-amino-2',3'-dimethylazobenzene	97-56-3	n.d.
6	2-amino-4-nitrotoluol/5-nitro-o-toluidine	99-55-8	n.d.
7	p-chloranilin/4-chloroaniline	106-47-8	n.d.
8	2,4-diaminoanisol/4-methoxy-m-phenylenediamine	615-05-4	n.d.
9	4,4'-diaminodiphenylmethane/4,4-methylenedianiline	101-77-9	n.d.
10	3,3'-dichlorobenzidine/3,3'dichlorobiphenyl-4,4'-ylenedi amine	91-94-1	n.d.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	n.d.
12	3,3'-dimethylbenzidine/4,4'-bi-o-Toluidine	119-93-7	n.d.
13	3,3'-dimethyl-4,4'-diaminodipenylmethane/4,4'-methylen edi-o-toluidine	838-88-0	n.d.
14	p-cresidin/6-methoxy-m-toluidine	120-71-8	n.d.
15	4,4'-methylen-bis-(2-chloro-aniline)/2,2'-dichloro-4,4'met hylene-dianiline	101-14-4	n.d.
16	4,4'-oxydianiline	101-80-4	n.d.
17	4,4'-thiodianiline	139-65-1	n.d.
18	o-toluidine/2-aminotoluene	95-53-4	n.d.
19	2,4-toluylendiamine/4-methyl-m-phenylenediamine	95-80-7	n.d.
20	2,4,5-trimethylaniline	137-17-7	n.d.

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21	4-aminoazobenzene	60-09-3	n.d.	
22	o-anisidine/ 2-methoxyaniline	90-04-0	n.d.	
23	2,4-Xylidine	95-68-1	n.d.	
24	2,6-Xylidine	87-62-7	n.d.	
	4-chloro-o-toluidinium chloride+		n.d.	
	2-Naphthylammoniumacetate+	553-00-4	n.d.	
	4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate+	39156-41-7	n.d.	
	2,4,5-trimethylaniline hydrochloride+	21436-97-5	n.d.	
	Conclusion:	CONC	Pass	

Note: n.d. = not detectable

mg/kg = ppm

+ = Result was back calculated based on the determination of its amine

Reporting limit = 5 mg/kg (each)

Requirement: 20 mg/kg (each)

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

4-Aminodiphenyl (CAS number 92-67-1), 2-Naphthylamine (CAS number 91-59-8) and 4-Methoxy-m-phenylene-diamine (CAS number 615-05-4) can be indirectly generated from some colorants which do not contain these amines azo bound. The use of banned azo colorants cannot be reliably ascertained without additional information.

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 EN ISO 14362-1:2017 methods 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. 5.0 mg/kg) by mentioned test method, test result for 4-aminoazobenzene (CAS no. 60-09-3) is considered as "not detected" (i.e. <5.0 mg/kg). Otherwise, the test method of EN ISO 14362-3:2017 will be employed to verify the presence of 4-aminoazobenzene.

PHTHALATES
With reference to CPSC-CH-C1001-09.4:2018. Analysis was performed by Gas Chromatography / Mass Spectrometry

No.	Phthalates:	CAS No.	Result
1	Butyl Benzyl Phthalate (BBP)	85-68-7	n.d.
2	Bis(2-EthylHexyl)Phthalate (DEHP)	117-81-7	n.d.
3	Di-n-Butyl Phthalate (DBP)	84-74-2	n.d.
4	Di-n-Octyl Phthalate (DNOP)	117-84-0	n.d.
5	Di-Isononyl Phthalate (DINP)	28553-12-0	n.d.

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6	Di-Isodecyl Phthalate (DIDP)	26761-40-0	n.d.
7	Di-Isobutyl Phthalate (DIBP)	84-69-5	n.d.
8	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	n.d.
9	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	n.d.
10	Bis(2-methoxyethyl) Phthalate (DMEP)	117-82-8	n.d.
11	Di-n-hexyl Phthalate (DnHP)	84-75-3	n.d.
12	Di-n-pentyl Phthalate (DPP)	131-18-0	n.d.
13	N-pentyl-isopentyl Phthalate (nPiPP)	776297-69-9	n.d.
14	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (DPP)	84777-06-0	n.d.
15	Di-iso Pentyl Phthalate (DIPP)	605-50-5	n.d.
16	Di hexylphthalate, branched and linear (DHxP)	68515-50-4	n.d.
17	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with greater or than equal to 0.3 percentage of dihexyl phthalate; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68515-51-5, 6	n.d.
18	Dicyclohexyl phthalate (DCHP)	84-61-7	n.d.
19	Di-iso-hexylphthalate (DIHxP)	71850-09-4	n.d.
20	Di-n-propyl phthalate (DPRP)	131-16-8	n.d.
21	Diisooctyl phthalate (DIOP)	27554-26-3	n.d.
22	Diethyl phthalate (DEP)	84-66-2	n.d.
23	Dimethylphthalate (DMP)	131-11-3	n.d.
	Sum		n.d.

Notes :

RL (Reporting limit) : 50 ppm (for individual substance)

ND = Not Detected (< RL)

Client's Requirement:

Each : 500 ppm

Sum : 1000 ppm

pH VALUE
EN ISO 3071: 2020

Extracting Solution: KCL

Value 5.9

4.0 - 7.5

pH of Extraction Medium: 5.8

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Temperature of Extraction Solution: 21.8°C

Remark:

pH value of extraction medium 5.0 - 7.5

Temperature of the extraction solution 22 ± 2°C

***** End of Report *****