

TEST REPORT

Report No. : GR:TX:8410066313

DATE : 10/08/2017



CUR-6916

SADDLERY HOUSE

84/113, PLOT NO 14, NEAR KESHAV BHAWAN , AFIM KOTHI
Uttar Pradesh, Kanpur-208003
IN

CONTACT PERSON : DINESH KUMAR

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

PRODUCT DESCRIPTION

ROUND BRAIDED LEATHER 3.0 MM
COLOUR BLACK
STYLE NO. #602
COUNTRY OF DESTINATION INDIA
COUNTRY OF ORIGIN INDIA
SAMPLE RECD ON 05/08/2017 TESTING PERIOD : 05/08/2017 - 10/08/2017

RESULT SUMMARY

TESTS	PASS	FAIL	REMARKS
Determination of Certain Azo Colorants in Dyed Leathers 01	X		

per pro SGS India Private Ltd.

ANAND GOEL

EXECUTIVE

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

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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	ROUND BRAIDED LEATHER	LEATHER	BLACK		

* This fiber type identification is for the selection of azo dye testing procedure (i.e. EN 14362-1/3:2012).

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

REQ

Determination of Certain Azo Colorants in Dyed Leathers

According to ISO 17234-1:2015 - Detection of the use of certain azo colorants in coloured leather with the use of Gas Chromatography Mass Spectrometry (GC-MS) / High Performance Liquid Chromatography - Diode Array Detector (HPLC-DAD).

01

No.	Forbidden Amines Substances	CAS-No.	Result
1	4-aminodiphenyl/xenylamine/Biphenyl-4-ylamine	92-67-1	n.d
2	Benzidine	92-87-5	n.d
3	4-chloro-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-diaminoanisole/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'-ylenediamine	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'-diaminodiphenylmethane/4,4'-methylenedi-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'-methylenedianiline	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
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
	Conclusion		PASS

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Note: ND=Not Detected

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

Max Limit = 30 mg/kg (ppm)

Recommended Max Limit with reference to entry 43 of Regulation (EC) No. 552/2009 amending Annex XVII of REACH Regulation (EC) No. 1907/2006.

Remark:

The ISO 17234-1:2015 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 4-aminoazobenzene (CAS no. 60-09-3) is considered as "not detected" (i.e. <5mg/kg). Otherwise, the test method of ISO 17234-2:2011 will be employed to verify the presence of 4-aminoazobenzene.

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.

**** End of Report ****