

Test Report

Applicant : XINHUI BROTHERS LEATHER GOODS MFG LTD
XINHA INDUSTRIAL PARK ,MUZHOU TOWN
XINHUI DISTRICT JIANGMEN CITY
GUANGDONG CHINA
529143

Issue Date : Mar 20, 2025

Attn : CHRISTY

SAMPLE DESCRIPTION AS DECLARED

No. of Sample	One
Fibre Content	Synthetic Leather
Material	Attache Case, Trolley Case
Finishing	-
End Uses	Attache Case, Trolley Case
Season	-
Colour	Brown
Style No.	XL.AT1404BRN, XL.24FAB003F418
Order No./PO No.	24005882 OP
Standard	SASO Technical Regulation Of Synthetic Leather Products
Buyer's Name	JARIR BOOKSTORE
Manufacturer's Name	XINHUI BROTHERS LEATHER GOODS MFG LTD
SABER Request No.	-
Ref	Product Name: Attache Case, Trolley Case Colors Submitted: Black Country Of Original: CHINA Goods Exported to: SAUDI ARABIA Age Use: Adult
Receive Date	Mar 06, 2025
Confirmation Date	-



1 pH Value

SASO ISO 3071:2014

Conditions		
Extracting Solution: Distilled Water		
	Tested on Lining only	REQ
pH Value	6.8	4.0-7.5

2 Determination Of Formaldehyde: Free And Hydrolyzed Formaldehyde

Part 1-SASO ISO 14184-1:2014

	Tested on Lining only	REQ
Formaldehyde Content	5 ppm	<75 ppm

Remarks:

ppm = mg/kg

3 Colour Fastness To Perspiration

ISO 105 E04:2013, Specimen In Vertical Position

	Result		REQ
	Acid	Alkaline	
Colour Change	4-5	4-5	3-4
Colour Staining-Acetate	4-5	4-5	3-4
Colour Staining-Cotton	4-5	4-5	3-4
Colour Staining-Nylon	4-5	4-5	3-4
Colour Staining-Polyester	4-5	4-5	3-4
Colour Staining-Acrylic	4-5	4-5	3-4
Colour Staining-Wool	4-5	4-5	3-4

4 Colour Fastness To Rubbing

ISO 105 X12:2016

	Result	REQ
Dry	4-5	4

5 Colour Fastness To Light

ISO 105 B02:2014

Test Condition

Light Condition: Exposure Cycle A1, Xenon-Arc Lamp , Light Grade: Up To Grade 4 Exposure

	Result	REQ
Grade	Above 4	4

6 Tearing Strength As Received

ISO 4674-1:2016, Method B, Trouser Tear Method, Tensile Testing Machine, CRE

Sample - Shell

	Result	REQ
	Average (N)	Average (N)
Warp	32.9	20 N Min.
Weft	21.3	20 N Min.

7 Azo Dye Content

With Reference To SASO ISO 14362-1:2018 And SASO ISO 14362-3:2018, By High Performance Liquid Chromatograph (HPLC) Or Gas Chromatograph-Mass Spectrometry (GC-MS) Analysis.

Method T : Direct buffer extraction as per ISO 14362-1 : 2017 Section 10.2

Test Item / Substance	CAS No.	Result				Units	D.L.	Limits
		2	3	-	-			
4-Aminodiphenyl	92-67-1	ND	ND	-	-	mg/kg	5	20
Benzidine	92-87-5	ND	ND	-	-	mg/kg	5	20
4-Chloro-o-toluidine	95-69-2	ND	ND	-	-	mg/kg	5	20
2-Naphthylamine	91-59-8	ND	ND	-	-	mg/kg	5	20
o-Aminoazotoluene	97-56-3	ND	ND	-	-	mg/kg	5	20
2-Amino-4-nitrotoluene	99-55-8	ND	ND	-	-	mg/kg	5	20
4-Chloroaniline	106-47-8	ND	ND	-	-	mg/kg	5	20
2,4-Diaminoanisole	615-05-4	ND	ND	-	-	mg/kg	5	20
4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	-	-	mg/kg	5	20
3,3'-Dichlorobenzidine	91-94-1	ND	ND	-	-	mg/kg	5	20
3,3'-Dimethoxybenzidine	119-90-4	ND	ND	-	-	mg/kg	5	20
3,3'-Dimethylbenzidine	119-93-7	ND	ND	-	-	mg/kg	5	20
4,4'-Methylenedi-o-toluidine	838-88-0	ND	ND	-	-	mg/kg	5	20
p-Cresidine	120-71-8	ND	ND	-	-	mg/kg	5	20

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4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4	ND	ND	-	-	mg/kg	5	20
4,4'-Oxydianiline	101-80-4	ND	ND	-	-	mg/kg	5	20
4,4'-Thiodianiline	139-65-1	ND	ND	-	-	mg/kg	5	20
o-Toluidine	95-53-4	ND	ND	-	-	mg/kg	5	20
2,4-Toluyldiamine	95-80-7	ND	ND	-	-	mg/kg	5	20
2,4,5-Trimethylaniline	137-17-7	ND	ND	-	-	mg/kg	5	20
o-Anisidine	90-04-0	ND	ND	-	-	mg/kg	5	20
2,4-Xylidine	95-68-1	ND	ND	-	-	mg/kg	5	20
2,6-Xylidine	87-62-7	ND	ND	-	-	mg/kg	5	20
4-Aminoazobenzene	60-09-3	ND	ND	-	-	mg/kg	5	20

Method D : Colourant extraction with Xylene as per ISO 14362-1 : 2017 Section 10.1

Test Item / Substance	CAS No.	Result				Units	D.L.	Limits
		1	2	3	-			
4-Aminodiphenyl	92-67-1	ND	ND	ND	-	mg/kg	5	20
Benzidine	92-87-5	ND	ND	ND	-	mg/kg	5	20
4-Chloro-o-toluidine	95-69-2	ND	ND	ND	-	mg/kg	5	20
2-Naphthylamine	91-59-8	ND	ND	ND	-	mg/kg	5	20
o-Aminoazotoluene	97-56-3	ND	ND	ND	-	mg/kg	5	20
2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND	-	mg/kg	5	20
4-Chloroaniline	106-47-8	ND	ND	ND	-	mg/kg	5	20
2,4-Diaminoanisoole	615-05-4	ND	ND	ND	-	mg/kg	5	20
4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	ND	-	mg/kg	5	20
3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	-	mg/kg	5	20
3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	-	mg/kg	5	20
3,3'-Dimethylbenzidine	119-93-7	ND	ND	ND	-	mg/kg	5	20
4,4'-Methylenedi-o-toluidine	838-88-0	ND	ND	ND	-	mg/kg	5	20
p-Cresidine	120-71-8	ND	ND	ND	-	mg/kg	5	20
4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4	ND	ND	ND	-	mg/kg	5	20
4,4'-Oxydianiline	101-80-4	ND	ND	ND	-	mg/kg	5	20
4,4'-Thiodianiline	139-65-1	ND	ND	ND	-	mg/kg	5	20
o-Toluidine	95-53-4	ND	ND	ND	-	mg/kg	5	20
2,4-Toluyldiamine	95-80-7	ND	ND	ND	-	mg/kg	5	20
2,4,5-Trimethylaniline	137-17-7	ND	ND	ND	-	mg/kg	5	20
o-Anisidine	90-04-0	ND	ND	ND	-	mg/kg	5	20

2,4-Xylidine	95-68-1	ND	ND	ND	-	mg/kg	5	20
2,6-Xylidine	87-62-7	ND	ND	ND	-	mg/kg	5	20
4-Aminoazobenzene	60-09-3	ND	ND	ND	-	mg/kg	5	20

Remarks:

D.L. = Detection Limit

Product Class			
Class I	Class II	Class III	Class IV
For Children (up to 2 years)	Direct contact to skin	With no direct contact to skin	Decoration material

Azo Colorants That Are Able To Form 4-Aminoazobenzene, Generate Under The Condition Of This Method Aniline (CAS-Number 62-53-3) And 1,4-Phenylenediamine (CAS-Number 106-50-3). Due To Detection Limits, Only Aniline May Be Detected. The Presence Of These Colorants Should Be Tested By ISO 14362-3.

Method T: Direct Buffer Extraction As Per ISO 14362-1:2017 Section 10.2

Method D: Colourant Extraction With Xylene As Per ISO 14362-1:2017 Section 10.1

ND = Not Detected

ppm = parts per million = mg/kg

8 Carcinogenic Dyes Content

With Reference To SASO ISO 16373-2:2017, By Liquid Chromatography/Tandem Mass Spectrometer (LC-MS-MS) Analysis.

Test Item / Substance	CAS No.	Result					Units	D.L.	Limits
		1	2	3	-	-			
Acid red 26	3761-53-3	ND	ND	ND	-	-	mg/kg	15	60
Basic red 9	569-61-9	ND	ND	ND	-	-	mg/kg	15	60
Basic green 4	569-64-2	ND	ND	ND	-	-	mg/kg	15	60
	2437-29-8								
	10309-95-2								
Basic violet 14	632-99-5	ND	ND	ND	-	-	mg/kg	15	60
Basic blue 26	2580-56-5	ND	ND	ND	-	-	mg/kg	15	60
Direct black 38	1937-37-7	ND	ND	ND	-	-	mg/kg	15	60
Disperse blue 3	2475-46-9	ND	ND	ND	-	-	mg/kg	15	60
Direct blue 6	2602-46-2	ND	ND	ND	-	-	mg/kg	15	60
Direct red 28	573-58-0	ND	ND	ND	-	-	mg/kg	15	60
Disperse blue 1	2475-45-8	ND	ND	ND	-	-	mg/kg	15	60
Disperse orange 11	82-28-0	ND	ND	ND	-	-	mg/kg	15	60

Remarks:

D.L. = Detection Limit

ND = Not Detected
ppm = parts per million = mg/kg

9 Flexing Endurance (Flexometer) For Artificial Leather

ISO 32100:2010, Room Temperature

Dry			
	Result		REQ
	Along	Across	
After 10,000 Cycles Observation	No Cracking	No Cracking	
After 20,000 Cycles Observation	No Cracking	No Cracking	
After 30,000 Cycles Observation	No Cracking	No Cracking	No cracking after 30000 cycles
Wet			
	Result		REQ
	Along	Across	
After 10,000 Cycles Observation	No Cracking	No Cracking	
After 20,000 Cycles Observation	No Cracking	No Cracking	
After 30,000 Cycles Observation	No Cracking	No Cracking	No cracking after 30000 cycles

Component List

No.	Component
(1)	Beige woven fabric (lining)
(2)	Brown synthetic leather with dark grey fabric backing (shell& patch on lining)
(3)	Brown synthetic leather with grey bonded leather backing (shell& patch on lining)

End of Report

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