

## TEST REPORT

Applicant: SUNNYLIFE GROUP PTY LTD  
B1 85 DUNNING AVENUE  
ROSEBERY  
NSW 2018  
AUSTRALIA  
Attn: NOLIA CHIU

Number: HKGH0302249802

Date: Aug 14, 2023

*This is to supersede Report No.  
HKGH03022498 dated Jul 31, 2023 due  
to information update*

Sample and Information provided by customer :  
Item Name : **The Resort Luxe Beach Umbrella Coastal Blue**  
Item No. : **SCLBUCBL**  
Quantity : 8 pieces  
Manufacturer : Shaoxing Iger Import And Export Co., Ltd  
Country of Origin : China  
Date sample received : Jun 13, 2023  
Testing Period : Jun 13, 2023 to Jun 27, 2023  
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For and on behalf of :  
Intertek Testing Services HK Ltd.



Cindy I.K. Chan  
Vice President



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**Conclusion:**

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) Fibre Analysis - ISO 1833- 11 : 2017	See details enclosed
(2) Textile Labeling - Fiber Identification For Europe (Regulation (EU) No. 1007/2011 Of The European Parliament And Of The Council)	Pass
(3) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 63 & Commission regulation (EU) 2015/628 - Lead content requirement	Pass
(4) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 63 & Commission regulation (EU) 2015/628 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) - Lead content requirement	Pass
(5) Regulation (EC) No. 1907/2006 on REACH Annex XVII as amended by Commission Regulation (EU) No. 835/2012 and Commission Regulation (EU) 2016/217 - Cadmium content requirement	Pass
(6) REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 Annex XVII Item 50 - Polycyclic aromatic hydrocarbons content	Pass
(7) REACH Regulation (EC) no. 1907/2006 & amendment no. 1272/2013, Annex XVII, Item 50 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended - Polycyclic aromatic hydrocarbons content	Pass
(8) REACH Regulation (EC) no. 1907/2006, Annex XVII Item 43 & amendment (EC) no. 552/2009 and (EU) no. 2096/2020 - Azocolourants content ∞	Pass
(9) REACH Regulation (EC) no. 1907/2006, Annex XVII, Item 43 & amendment no. 552/2009 and 2096/2020 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended - Azocolourants content requirement ∞	Pass

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Decision Rule(s):

When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek's "Decision Rule Document" and is available on Intertek's website. <https://intertekhk.grd.by/decision-rule-doc..>

If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.

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(1) Fibre Analysis:

ISO 1833- 11 : 2017

Based On Moisture Regain Weight

(Umbrella)

Marked

Main  
65% Polyester  
35% Cotton  
Trim  
95% Cotton  
5% Polyester

Main  
Polyester 62.4%  
Cotton 37.6%

Remark : Moisture Regain Of Polyester 1.5% and Cotton 8.5%  
(Based on Regulation (EU) No 1007/2011 of the European Parliament and of the Council)

Trim  
Polyester 46.2%  
Cotton 44.1%  
Viscose 9.7%

Remark : Moisture Regain Of Polyester 1.5% and Cotton 8.5% and Viscose 13.0%  
(Based on Regulation (EU) No 1007/2011 of the European Parliament and of the Council)

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- (2) Textile Labeling - Fiber Identification For Europe (Regulation (EU) No. 1007/2011 Of The European Parliament And Of The Council):

Textile labelling shall be durable, easily legible, visible and accessible and, in the case of a label, securely attached.

- |                       |      |
|-----------------------|------|
| - Fibre Content Label | Meet |
| - Verify Label Claim  | Meet |

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### (3) Lead (Pb) Content

Test Method : Lead content requirement in Commission regulation (EU) 2015/628 amending Annex XVII item 63 of the REACH regulation (EC) No. 1907/2006, acid digestion was used and total Lead content was determined by inductively coupled argon plasma spectrometry.

#### Lead Content:

Tested Component	Result in %, w/w	Limit in %, w/w
(1/2/3)	ND	0.05
(4/5/6)	ND	0.05
(7/8/9)	ND	0.05
(10/11/12)	ND	0.05
(13/14/15)	ND	0.05
(16)	ND	0.05
(17)	0.012	0.05
(18)	ND	0.05
(19)	0.012	0.05
(20)	0.012	0.05
(21)	ND	0.05
(22)	0.016	0.05
(23)	0.023	0.05
(24)	0.016	0.05
(25)	ND	0.05
(26)	ND	0.05
(27)	ND	0.05



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ND : Not detected (&lt; 0.002%)

## Tested Components:

- (1) Black coating on fabric (sewn in label).
- (2) White coating on metal (cap of button).
- (3) Lacquer on wood (stick).
- (4) Off white plastic (base, tip of umbrella, connector).
- (5) White plastic (fibre holder).
- (6) Grey fibre (stick).
- (7) Beige fabric with blue printing (bag, umbrella).
- (8) Beige fabric with black printing (bag).
- (9) Deep beige fabric (sewn in label).
- (10) Beige webbing (handle of bag).
- (11) White fabric (edge of bag, umbrella).
- (12) Pale beige fabric with black printing (umbrella holder).
- (13) Pale beige string (tassel of umbrella).
- (14) White satin with blue printing (sewn in label).
- (15) White string (fibre holder).
- (16) Silver color metal excluding white coating (cap of button).
- (17) Silver color metal (socket).
- (18) Silver color metal (wire).
- (19) Silver color metal (stud).
- (20) Silver color metal (post).
- (21) Silver color metal (screw).
- (22) Silver color metal (button of joint).
- (23) Silver color metal (joint with nail).
- (24) Silver color metal (joint).
- (25) Silver color metal (wire).
- (26) Silver color metal (nail).
- (27) Light brown wood (stick).

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### (4) Lead (Pb) Content

Test Method : Lead content requirement in Commission regulation (EU) 2015/628 amending Annex XVII item 63 of the REACH regulation (EC) No. 1907/2006, acid digestion was used and total Lead content was determined by inductively coupled argon plasma spectrometry.

#### Lead Content:

Tested Component	Result in %, w/w	Limit in %, w/w
(1/2/3)	ND	0.05
(4/5/6)	ND	0.05
(7/8/9)	ND	0.05
(10/11/12)	ND	0.05
(13/14/15)	ND	0.05
(16)	ND	0.05
(17)	0.012	0.05
(18)	ND	0.05
(19)	0.012	0.05
(20)	0.012	0.05
(21)	ND	0.05
(22)	0.016	0.05
(23)	0.023	0.05
(24)	0.016	0.05
(25)	ND	0.05
(26)	ND	0.05
(27)	ND	0.05





## TEST REPORT

Number : HKGH0302249802

ND : Not detected (&lt; 0.002%)

## Tested Components:

- (1) Black coating on fabric (sewn in label).
- (2) White coating on metal (cap of button).
- (3) Lacquer on wood (stick).
- (4) Off white plastic (base, tip of umbrella, connector).
- (5) White plastic (fibre holder).
- (6) Grey fibre (stick).
- (7) Beige fabric with blue printing (bag, umbrella).
- (8) Beige fabric with black printing (bag).
- (9) Deep beige fabric (sewn in label).
- (10) Beige webbing (handle of bag).
- (11) White fabric (edge of bag, umbrella).
- (12) Pale beige fabric with black printing (umbrella holder).
- (13) Pale beige string (tassel of umbrella).
- (14) White satin with blue printing (sewn in label).
- (15) White string (fibre holder).
- (16) Silver color metal excluding white coating (cap of button).
- (17) Silver color metal (socket).
- (18) Silver color metal (wire).
- (19) Silver color metal (stud).
- (20) Silver color metal (post).
- (21) Silver color metal (screw).
- (22) Silver color metal (button of joint).
- (23) Silver color metal (joint with nail).
- (24) Silver color metal (joint).
- (25) Silver color metal (wire).
- (26) Silver color metal (nail).
- (27) Light brown wood (stick).

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(5) Cadmium (Cd) Content

Test Method : In House method TC008.TP. Acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %, w/w	Limit in %, w/w
(1/2/3)	ND	0.1
(4/5/6)	ND	0.01

ND : Not detected (< 0.0005%)

The above limit was quoted according to Regulation (EC) No. 1907/2006 on REACH Annex XVII as amended by Commission Regulation (EU) No. 835/2012 and Commission Regulation (EU) 2016/217

Tested Components:

- (1) Black coating on fabric (sewn in label).
- (2) White coating on metal (cap of button).
- (3) Lacquer on wood (stick).
- (4) Off white plastic (base, tip of umbrella, connector).
- (5) White plastic (fibre holder).
- (6) Grey fibre (stick).

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## (6) Polycyclic Aromatic Hydrocarbons (PAH) Content

Test Method : The document AfPS GS 2019:01 PAK issued by the Federal Institute for Occupational Safety and Health, solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

Compound	Result (ppm)		Limit (ppm)
	(1)	(2/3/4)	
Benzo(a)pyrene	<0.20	<0.20	1
Benzo(e)pyrene	<0.20	<0.20	1
Benzo(a)anthracene	<0.20	<0.20	1
Chrysene	<0.20	<0.20	1
Benzo(b)fluoranthene	<0.20	<0.20	1
Benzo(j)fluoranthene	<0.20	<0.20	1
Benzo(k)fluoranthene	<0.20	<0.20	1
Dibenzo(a,h)anthracene	<0.20	<0.20	1

The above limit was quoted according to Annex XVII Items 50 of the REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 for polycyclic aromatic hydrocarbons (PAH).

ppm = parts per million = mg/kg

### Tested Components:

- (1) Lacquer on wood (stick).
- (2) Off white plastic (base, tip of umbrella, connector).
- (3) White plastic (fibre holder).
- (4) Grey fibre (stick).

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(7) Polycyclic Aromatic Hydrocarbons (PAH) Content

Test Method : The document AfPS GS 2019:01 PAK issued by the Federal Institute for Occupational Safety and Health, solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

Compound	Result (ppm)		Limit (ppm)
	(1)	(2/3/4)	
Benzo(a)pyrene	<0.20	<0.20	1
Benzo(e)pyrene	<0.20	<0.20	1
Benzo(a)anthracene	<0.20	<0.20	1
Chrysene	<0.20	<0.20	1
Benzo(b)fluoranthene	<0.20	<0.20	1
Benzo(j)fluoranthene	<0.20	<0.20	1
Benzo(k)fluoranthene	<0.20	<0.20	1
Dibenzo(a,h)anthracene	<0.20	<0.20	1

The above limit was quoted according to REACH Regulation (EC) no. 1907/2006 & amendment no. 1272/2013, Annex XVII, Item 50 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended for polycyclic aromatic hydrocarbons (PAH).

ppm = parts per million = mg/kg

## Tested Components:

- (1) Lacquer on wood (stick).
- (2) Off white plastic (base, tip of umbrella, connector).
- (3) White plastic (fibre holder).
- (4) Grey fibre (stick).

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(8) Detection Of Amines Derived From Azocolourants and Azodyes

Test Method : By extraction on cut sample according to the below listed test method(s), followed by Gas Chromatographic - Mass Spectrometric (GC-MS) analysis and confirmed by High-Performance Liquid Chromatography / Diode Array Detector (HPLC/DAD) analysis.

EN ISO 14362-1 : 2017 for Textile Material

Method T:

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(1/2)	(3/4)	(5/6)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



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No.	Forbidden Amine	CAS No.	Result (ppm)
			(7)
1	4-Aminodiphenyl	92-67-1	N
2	Benzidine	92-87-5	N
3	4-Chloro-o-toluidine	95-69-2	N
4	2-Naphthylamine	91-59-8	N
5	o-Aminoazotoluene	97-56-3	N
6	2-Amino-4-nitrotoluene	99-55-8	N
7	p-Chloroaniline	106-47-8	N
8	2,4-Diaminoanisole	615-05-4	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N
10	3,3'-Dichlorobenzidine	91-94-1	N
11	3,3'-Dimethoxybenzidine	119-90-4	N
12	3,3'-Dimethylbenzidine	119-93-7	N
13	3,3'-Dimethyl- 4,4'diaminodiphenylmethane	838-88-0	N
14	p-Cresidine	120-71-8	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N
16	4,4'-Oxydianiline	101-80-4	N
17	4,4'-Thiodianiline	139-65-1	N
18	o-Toluidine	95-53-4	N
19	2,4-Toluylenediamine	95-80-7	N
20	2,4,5-Trimethylaniline	137-17-7	N
21	o-Anisidine	90-04-0	N
22	p-Aminoazobenzene	60-09-3	N



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Method D:

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(1/2)	(3/4)	(5/6)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



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No.	Forbidden Amine	CAS No.	Result (ppm)
			(7)
1	4-Aminodiphenyl	92-67-1	N
2	Benzidine	92-87-5	N
3	4-Chloro-o-toluidine	95-69-2	N
4	2-Naphthylamine	91-59-8	N
5	o-Aminoazotoluene	97-56-3	N
6	2-Amino-4-nitrotoluene	99-55-8	N
7	p-Chloroaniline	106-47-8	N
8	2,4-Diaminoanisole	615-05-4	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N
10	3,3'-Dichlorobenzidine	91-94-1	N
11	3,3'-Dimethoxybenzidine	119-90-4	N
12	3,3'-Dimethylbenzidine	119-93-7	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N
14	p-Cresidine	120-71-8	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N
16	4,4'-Oxydianiline	101-80-4	N
17	4,4'-Thiodianiline	139-65-1	N
18	o-Toluidine	95-53-4	N
19	2,4-Toluylenediamine	95-80-7	N
20	2,4,5-Trimethylaniline	137-17-7	N
21	o-Anisidine	90-04-0	N
22	p-Aminoazobenzene	60-09-3	N

N = Not detected  
 Detection limit = 5 ppm  
 Requirement = 30 ppm (max.)

ppm = parts per million = mg/kg





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- High Performance Liquid Chromatographic (HPLC) analysis was used to confirm any detected amines.
- The test component with p-aminoazobenzene less than detection limit was tested by EN ISO 14362-1 : 2017 for textile material / EN ISO 17234-1: 2015 for leather material.

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

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

If both methods T and D conducted, final conclusion was based on the highest value of each amine.

### Tested Components:

- (1) Beige fabric with blue printing (bag, umbrella).
- (2) Beige webbing (handle of bag).
- (3) Beige fabric with black printing (bag).
- (4) Pale beige string (tassel of umbrella).
- (5) Pale beige fabric with black printing (umbrella holder).
- (6) White satin with blue printing (sewn in label).
- (7) Deep beige fabric with black coating (sewn in label).

### Decision Rule:

∞ : In the case of levels per amine component is equal or smaller than 30 ppm:  
According to the analysis as carried out, azo colorants which can release one or more of certain listed amines by cleavage of their azo group/s were not detected. The tested sample/component were in compliance with requirement.

In the case of levels per amine component is greater than 30 ppm:  
The analytical result suggests that the commodity submitted has been manufactured or treated using azo colorant/s which can release one or more of certain listed amines by cleavage of their azo group/s at levels greater than 30 ppm. The tested sample/component did not comply the requirement.

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(9) Detection Of Amines Derived From Azocolourants and Azodyes

Test Method : By extraction on cut sample according to the below listed test method(s), followed by Gas Chromatographic - Mass Spectrometric (GC-MS) analysis and confirmed by High-Performance Liquid Chromatography / Diode Array Detector (HPLC/DAD) analysis.

BS EN ISO 14362-1 : 2017 for Textile Material

Method T:

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(1/2)	(3/4)	(5/6)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



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			(7)
1	4-Aminodiphenyl	92-67-1	N
2	Benzidine	92-87-5	N
3	4-Chloro-o-toluidine	95-69-2	N
4	2-Naphthylamine	91-59-8	N
5	o-Aminoazotoluene	97-56-3	N
6	2-Amino-4-nitrotoluene	99-55-8	N
7	p-Chloroaniline	106-47-8	N
8	2,4-Diaminoanisole	615-05-4	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N
10	3,3'-Dichlorobenzidine	91-94-1	N
11	3,3'-Dimethoxybenzidine	119-90-4	N
12	3,3'-Dimethylbenzidine	119-93-7	N
13	3,3'-Dimethyl- 4,4'diaminodiphenylmethane	838-88-0	N
14	p-Cresidine	120-71-8	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N
16	4,4'-Oxydianiline	101-80-4	N
17	4,4'-Thiodianiline	139-65-1	N
18	o-Toluidine	95-53-4	N
19	2,4-Toluylenediamine	95-80-7	N
20	2,4,5-Trimethylaniline	137-17-7	N
21	o-Anisidine	90-04-0	N
22	p-Aminoazobenzene	60-09-3	N



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Method D:

No.	Forbidden Amine	CAS No.	Result (ppm)		
			(1/2)	(3/4)	(5/6)
1	4-Aminodiphenyl	92-67-1	N	N	N
2	Benzidine	92-87-5	N	N	N
3	4-Chloro-o-toluidine	95-69-2	N	N	N
4	2-Naphthylamine	91-59-8	N	N	N
5	o-Aminoazotoluene	97-56-3	N	N	N
6	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7	p-Chloroaniline	106-47-8	N	N	N
8	2,4-Diaminoanisole	615-05-4	N	N	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14	p-Cresidine	120-71-8	N	N	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16	4,4'-Oxydianiline	101-80-4	N	N	N
17	4,4'-Thiodianiline	139-65-1	N	N	N
18	o-Toluidine	95-53-4	N	N	N
19	2,4-Toluylenediamine	95-80-7	N	N	N
20	2,4,5-Trimethylaniline	137-17-7	N	N	N
21	o-Anisidine	90-04-0	N	N	N
22	p-Aminoazobenzene	60-09-3	N	N	N



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No.	Forbidden Amine	CAS No.	Result (ppm)
			(7)
1	4-Aminodiphenyl	92-67-1	N
2	Benzidine	92-87-5	N
3	4-Chloro-o-toluidine	95-69-2	N
4	2-Naphthylamine	91-59-8	N
5	o-Aminoazotoluene	97-56-3	N
6	2-Amino-4-nitrotoluene	99-55-8	N
7	p-Chloroaniline	106-47-8	N
8	2,4-Diaminoanisole	615-05-4	N
9	4,4'-Diaminodiphenylmethane	101-77-9	N
10	3,3'-Dichlorobenzidine	91-94-1	N
11	3,3'-Dimethoxybenzidine	119-90-4	N
12	3,3'-Dimethylbenzidine	119-93-7	N
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N
14	p-Cresidine	120-71-8	N
15	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N
16	4,4'-Oxydianiline	101-80-4	N
17	4,4'-Thiodianiline	139-65-1	N
18	o-Toluidine	95-53-4	N
19	2,4-Toluylenediamine	95-80-7	N
20	2,4,5-Trimethylaniline	137-17-7	N
21	o-Anisidine	90-04-0	N
22	p-Aminoazobenzene	60-09-3	N

N = Not detected  
 Detection limit = 5 ppm  
 Requirement = 30 ppm (max.)

ppm = parts per million = mg/kg



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- High Performance Liquid Chromatographic (HPLC) analysis was used to confirm any detected amines.
- The test component with p-aminoazobenzene less than detection limit was tested by BS EN ISO 14362-1 : 2017 for textile material / BS EN ISO 17234-1: 2015 for leather material.

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

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

If both methods T and D conducted, final conclusion was based on the highest value of each amine.

### Tested Components:

- (1) Beige fabric with blue printing (bag, umbrella).
- (2) Beige webbing (handle of bag).
- (3) Beige fabric with black printing (bag).
- (4) Pale beige string (tassel of umbrella).
- (5) Pale beige fabric with black printing (umbrella holder).
- (6) White satin with blue printing (sewn in label).
- (7) Deep beige fabric with black coating (sewn in label).

### Decision Rule:

∞ : In the case of levels per amine component is equal or smaller than 30 ppm:  
According to the analysis as carried out, azo colorants which can release one or more of certain listed amines by cleavage of their azo group/s were not detected. The tested sample/component were in compliance with requirement.

In the case of levels per amine component is greater than 30 ppm:  
The analytical result suggests that the commodity submitted has been manufactured or treated using azo colorant/s which can release one or more of certain listed amines by cleavage of their azo group/s at levels greater than 30 ppm. The tested sample/component did not comply the requirement.

Date sample received : Jun 13, 2023

Test Period : Jun 13, 2023 to Jun 23, 2023



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End of report

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