



TEST REPORT

Report No. : WTF24F09218963C
Applicant : Mid Ocean Brands B.V.
Address : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan,
Kowloon, Hong Kong
Manufacturer : 118518
Sample Name : Safety helmet
Sample Model : MO2456
Test Requested : Refer to next page (s)
Test Method : Refer to next page (s)
Test Conclusion : **Pass** (Please refer to next pages for details)
Date of Receipt sample : 2024-09-19
Testing period : 2024-09-19 to 2024-09-25
Date of Issue : 2024-09-25
Test Result : Refer to next page (s)
Note : As specified by client, only test the designated sample.

Prepared By:

Waltek Testing Group (Foshan) Co., Ltd.

Address: No.13-19, 2/F., 2nd Building, Sunlink Machinery City, Xingye 4 Road, Guanglong Industrial Park,
Chihua Neighborhood Committee, Chencun Town, Shunde District, Foshan, Guangdong, China
Tel:+86-757-23811398 Fax:+86-757-23811381 E-mail:info@waltek.com.cn

Signed for and on behalf of
Waltek Testing Group (Foshan) Co., Ltd.

Swing Liang

Swing.Liang



WTF24F09218963C



Report No.: WTF24F09218963C

Job No.: FSW2409190583CJ

Summary

Item No.	Test Requested	Test Conclusion
1	Determination of Lead content in the submitted sample in accordance with REACH regulation Annex XVII Entries 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628	Pass
2	Determination of Cadmium content in the submitted sample in accordance with REACH regulation Annex XVII Entries 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011, No. 835/2012 and (EU) 2016/217	Pass
3	Determination of specified Phthalates content according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & No. 2018/2005	Pass
4	Determination of specified Polycyclic Aromatic Hydrocarbons (PAHs) content in submitted sample in accordance with Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013.	Pass
5	As requested by the applicant, to test Colour Fastness to Rubbing in the submitted sample.	Pass

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Sample photo:



MO2456



MO2456



MO2456





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Test Results:

1) Lead (Pb)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.1+No.2+No.3	No.4+No.5+No.6	
Lead(Pb)	2	ND*	ND*	500
Conclusion	--	Pass	Pass	--

Test Item	LOQ (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.7+No.8+No.10	No.9+No.11	
Lead(Pb)	2	ND*	ND*	500
Conclusion	--	Pass	Pass	--

Note:

(1) mg/kg = milligram per kilogram

(2) ND = Not Detected (lower than LOQ)

(3) LOQ = Limit of quantitation

(4) Limit of Lead was quoted from REACH regulation Annex XVII Item 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628.

(5) "*" = Results are calculated by the minimum weight of mixed components.



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2) Cadmium (Cd)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.1+No.2+No.3	No.4+No.5+No.6
Cadmium(Cd)	2	ND*	ND*
Conclusion	--	Pass	Pass

Test Item	LOQ (mg/kg)	Results (mg/kg)	
		No.9+No.11	No.12
Cadmium(Cd)	2	ND*	ND
Conclusion	--	Pass	Pass

Note:

(1) mg/kg = milligram per kilogram

(2) ND = Not Detected (lower than LOQ)

(3) LOQ = Limit of quantitation

(4) Limit of Cadmium according to REACH regulation Annex XVII Item 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011 and No. 835/2012 and (EU) 2016/217.

Category	Limit (mg/kg)
Wet paint	100
Surface coating	1000
Plastic	100
Metal parts of jewellery and hair accessories	100

(5) “**” = Results are calculated by the minimum weight of mixed components.



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3) Phthalates

Test Method: With reference to EN14372:2004, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test Items	LOQ (%)	Results (%)		Limit (%)
		No.1+No.2+No.3	No.4+No.5+No.6	
Benzyl butyl phthalate (BBP)	0.005	ND*	ND*	sum of four phthalates < 0.1
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	ND*	ND*	
Dibutyl phthalate (DBP)	0.005	ND*	ND*	
Diisobutyl phthalate (DIBP)	0.005	ND*	ND*	
Diisodecyl phthalate (DIDP)	0.01	ND*	ND*	sum of three phthalates < 0.1
Diisononyl phthalate (DINP)	0.01	ND*	ND*	
Di-n-octyl phthalate (DNOP)	0.005	ND*	ND*	
Conclusion	--	Pass	Pass	--

Test Items	LOQ (%)	Results (%)	Limit (%)
		No.9+No.11	
Benzyl butyl phthalate (BBP)	0.005	ND*	sum of four phthalates < 0.1
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	0.011*	
Dibutyl phthalate (DBP)	0.005	ND*	
Diisobutyl phthalate (DIBP)	0.005	ND*	
Diisodecyl phthalate (DIDP)	0.01	ND*	sum of three phthalates < 0.1
Diisononyl phthalate (DINP)	0.01	ND*	
Di-n-octyl phthalate (DNOP)	0.005	ND*	
Conclusion	--	Pass	--



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Note:

DBP= Dibutyl phthalate

BBP= Benzyl butyl phthalate

DEHP= Bis-(2-ethylhexyl)- phthalate

DINP= Di-isononyl phthalate

DNOP= Di-n-octyl phthalate

DIDP= Di-isodecyl phthalate

DIBP= Diisobutyl phthalate

(1) % = percentage by weight

(2) ND = Not Detected or lower than limit of quantitation

(3) LOQ = Limit of quantitation

(4) "<" = less than

(5) The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No.

1907/2006 & Amendment No. 552/2009 & No. 2018/2005 (formerly known as Directive 2005/84/EC) for phthalate content in toys and child care articles.

(6) "*" = Results are calculated by the minimum weight of mixed components.

4) Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method: With reference to AFPS GS 2019:01 PAK method, analysis was performed by Gas Chromatographic Mass Spectrometry (GC-MS).

Test Items	Unit	Results		LOQ	Limit
		No.1+No.2+No.3	No.4+No.5+No.6		
Benzo(a)anthracene (BaA)	mg/kg	ND*	ND*	0.2	1.0
Chrysene (CHR)	mg/kg	ND*	ND*	0.2	1.0
Benzo[b]fluoranthene (BbFA)	mg/kg	ND*	ND*	0.2	1.0
Benzo[k]fluoranthene (BkFA)	mg/kg	ND*	ND*	0.2	1.0
Benzo(a)pyrene (BaP)	mg/kg	ND*	ND*	0.2	1.0
Dibenzo[a,h]anthracene (DBA _h A)	mg/kg	ND*	ND*	0.2	1.0
Benzo[j]fluoranthene (BjFA)	mg/kg	ND*	ND*	0.2	1.0
Benzo[e]Pyrene (BeP)	mg/kg	ND*	ND*	0.2	1.0
Conclusion	--	Pass	Pass	--	--



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Test Items	Unit	Results	LOQ	Limit
		No.9+No.11		
Benzo(a)anthracene (BaA)	mg/kg	ND*	0.2	1.0
Chrysene (CHR)	mg/kg	ND*	0.2	1.0
Benzo[b]fluoranthene (BbFA)	mg/kg	ND*	0.2	1.0
Benzo[k]fluoranthene (BkFA)	mg/kg	ND*	0.2	1.0
Benzo(a)pyrene (BaP)	mg/kg	ND*	0.2	1.0
Dibenzo[a,h]anthracene (DBA _h A)	mg/kg	ND*	0.2	1.0
Benzo[j]fluoranthene (BjFA)	mg/kg	ND*	0.2	1.0
Benzo[e]Pyrene (BeP)	mg/kg	ND*	0.2	1.0
Conclusion	--	Pass	--	--

Note:

- (1) ND = Not Detected or lower than limit of quantitation
- (2) mg/kg=milligram per kilogram=ppm
- (3) LOQ = Limit of quantitation
- (4) As per Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013, Articles shall not be placed on the market for supply to the general public, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 1 mg/kg (0,0001 % by weight of this component) of any of the listed PAHs.
- (5) As per Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013, Toys, including activity toys, and childcare articles, shall not be placed on the market, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 0,5 mg/kg (0,00005 % by weight of this component) of any of the listed PAHs.
- (6) “*” = Results are calculated by the minimum weight of mixed components.



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5) Colour Fastness to Rubbing

Colour Fastness to Rubbing					
(ISO 105-X12: 2016; Size of rubbing finger: 16mm diameter.)					
		No.7	No.8	No.10	Client's Limit
Length	Dry staining	4-5	4-5	4-5	2-3
	Wet staining	4-5	4-5	4-5	2-3
Width	Dry staining	--	--	--	2-3
	Wet staining	--	--	--	2-3
Conclusion		Pass	Pass	Pass	--

Note:

(1) Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

Description for Specimen:

Specimen No.	Specimen Description
1	White plastic shell
2	Blue plastic shell
3	Yellow plastic shell
4	White plastic buckle
5	Semi-transparent plastic sheet
6	Semi-transparent plastic sheet
7	Black webbing
8	Black main fabric
9	Grey sponge
10	Green webbing
11	Black plastic shell
12	Silvery metal screw with black coating



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Photograph of parts tested:





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Remarks:

1. The results shown in this test report refer only to the sample(s) tested;
2. This test report cannot be reproduced, except in full, without prior written permission of the company;
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===== End of Report =====

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Test Report

Number: SZHH01982800

Applicant: MID OCEAN BRANDS B.V.
7/F, KINGS TOWER, 111 KING LAM STREET,
CHEUNG SHA WAN, KOWLOON, HONG KONG

Date: Oct 24, 2024

Attn: DEREK HUI

Sample Description:

Two (2) pieces of submitted sample said to be :

Item Name : **Safety Helmet**

Style No. : **MO2456**

Date Sample Received : Oct 15, 2024

Testing Period : Oct 15, 2024 ~ Oct 24, 2024

SZHH01982800



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.



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Test Report

Number: SZHH01982800

Conclusion:

Tested Samples

Tested components of
submitted samples

Standard

BS EN ISO 105-E04: 2013 - Tests for colour fastness Part
E04: Colour fastness to perspiration

Result

See test
conducted

EN ISO 105-E04: 2013(E) - Tests for colour fastness Part
E04: Colour fastness to perspiration

See test
conducted

Azocolourants Content Requirement in Annex XVII Entry
43 of the REACH Regulation (EC) No 1907/2006 and
Amendment (EC) No 552/2009 and (EU) 2020/2096

Pass

pH Value

See test
conducted

Azocolourants Content Requirement in Annex XVII Entry
43 of the REACH Regulation (EC) No 1907/2006 and
Amendment (EC) No 552/2009 and (EU) 2020/2096 &
The REACH etc. (Amendment etc.) (EU Exit) Regulations
2019 (S.I. 2019 No. 758) as amended

Pass

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.



Rachel L. Guo
General Manager



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Test Report

Number: SZHH01982800

Tests Conducted

1 Colour Fastness to Perspiration

As per BS EN ISO 105-E04: 2013 – Tests for colour fastness part E04: Colour fastness to perspiration.

	Result					
	Alkaline (pH8) solution			Acid (pH5.5) solution		
	(1)	(2)	(3)	(1)	(2)	(3)
Colour change	4-5	4-5	4-5	4-5	4-5	4-5
Colour staining						
- Acetate	4-5	4-5	4-5	4-5	4-5	4-5
- Cotton	4-5	4-5	4-5	4-5	4-5	4-5
- Nylon	4-5	4-5	4-5	4-5	4-5	4-5
- Polyester	4-5	4-5	4-5	4-5	4-5	4-5
- Acrylic	4-5	4-5	4-5	4-5	4-5	4-5
- Wool	4-5	4-5	4-5	4-5	4-5	4-5

Remark : Evaluating against ISO grey scale.
Commercial recommended ratings (for reference only):
Colour change : 4 or higher
Colour staining : 3 or higher

Adjacent fabric used:
- Multifibre adjacent fabric as per ISO 105-F10

Tested Components:

- (1) Black brushed knit (protective pad)
- (2) Black webbing (strap)
- (3) Dark green webbing (strap)



Test Report

Number: SZHH01982800

Tests Conducted

2 Colour Fastness to Perspiration

As per EN ISO 105-E04: 2013(E) – Tests for colour fastness part E04: Colour fastness to perspiration.

	Result					
	Alkaline (pH8) solution			Acid (pH5.5) solution		
	(1)	(2)	(3)	(1)	(2)	(3)
Colour change	4-5	4-5	4-5	4-5	4-5	4-5
Colour staining						
- Acetate	4-5	4-5	4-5	4-5	4-5	4-5
- Cotton	4-5	4-5	4-5	4-5	4-5	4-5
- Nylon	4-5	4-5	4-5	4-5	4-5	4-5
- Polyester	4-5	4-5	4-5	4-5	4-5	4-5
- Acrylic	4-5	4-5	4-5	4-5	4-5	4-5
- Wool	4-5	4-5	4-5	4-5	4-5	4-5

Remark : Evaluating against ISO grey scale.
Commercial recommended ratings (for reference only):
Colour change : 4 or higher
Colour staining : 3 or higher

Adjacent fabric used:
- Multifibre adjacent fabric as per ISO 105-F10

Tested Components:

- (1) Black brushed knit (protective pad)
- (2) Black webbing (strap)
- (3) Dark green webbing (strap)



Test Report

Number: SZHH01982800

Tests Conducted

3 Detection of Amines Derived from Azocolourants and Azodyes (EU REACH Annex XVII Entry 43)

With reference to EN ISO 14362-1:2017 for Textile Material, EN ISO 17234-1:2015 for Leather Material, and/or EN ISO 14362-3:2017 & EN ISO 17234-2:2011 for 4-Aminoazobenzene, By Gas Chromatographic - Mass Spectrometric (GC-MS) and High Performance Liquid Chromatographic (HPLC) Analysis.

Method T

Test Item	CAS No.	Result					Units	D.L.	Limit
		1+2+3	-	-	-	-			
4-Aminodiphenyl	92-67-1	ND	-	-	-	-	mg/kg	5	30
Benzidine	92-87-5	ND	-	-	-	-	mg/kg	5	30
4-Chloro-o-toluidine	95-69-2	ND	-	-	-	-	mg/kg	5	30
2-Naphthylamine	91-59-8	ND	-	-	-	-	mg/kg	5	30
o-Aminoazotoluene	97-56-3	ND	-	-	-	-	mg/kg	5	30
2-Amino-4-nitrotoluene	99-55-8	ND	-	-	-	-	mg/kg	5	30
4-Chloroaniline	106-47-8	ND	-	-	-	-	mg/kg	5	30
2,4-Diaminoanisole	615-05-4	ND	-	-	-	-	mg/kg	5	30
4,4'-Diaminodiphenylmethane	101-77-9	ND	-	-	-	-	mg/kg	5	30
3,3'-Dichlorobenzidine	91-94-1	ND	-	-	-	-	mg/kg	5	30
3,3'-Dimethoxybenzidine	119-90-4	ND	-	-	-	-	mg/kg	5	30
3,3'-Dimethylbenzidine	119-93-7	ND	-	-	-	-	mg/kg	5	30
4,4'-Methylenedi-o-toluidine	838-88-0	ND	-	-	-	-	mg/kg	5	30
p-Cresidine	120-71-8	ND	-	-	-	-	mg/kg	5	30
4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4	ND	-	-	-	-	mg/kg	5	30
4,4'-Oxydianiline	101-80-4	ND	-	-	-	-	mg/kg	5	30
4,4'-Thiodianiline	139-65-1	ND	-	-	-	-	mg/kg	5	30
o-Toluidine	95-53-4	ND	-	-	-	-	mg/kg	5	30
2,4-Toluylendiamine	95-80-7	ND	-	-	-	-	mg/kg	5	30
2,4,5-Trimethylaniline	137-17-7	ND	-	-	-	-	mg/kg	5	30
o-Anisidine	90-04-0	ND	-	-	-	-	mg/kg	5	30
4-Aminoazobenzene	60-09-3	ND	-	-	-	-	mg/kg	5	30



Test Report

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Tests Conducted

Method D

Test Item	CAS No.	Result					Units	D.L.	Limit
		1+2+3	-	-	-	-			
4-Aminodiphenyl	92-67-1	ND	-	-	-	-	mg/kg	5	30
Benzidine	92-87-5	ND	-	-	-	-	mg/kg	5	30
4-Chloro-o-toluidine	95-69-2	ND	-	-	-	-	mg/kg	5	30
2-Naphthylamine	91-59-8	ND	-	-	-	-	mg/kg	5	30
o-Aminoazotoluene	97-56-3	ND	-	-	-	-	mg/kg	5	30
2-Amino-4-nitrotoluene	99-55-8	ND	-	-	-	-	mg/kg	5	30
4-Chloroaniline	106-47-8	ND	-	-	-	-	mg/kg	5	30
2,4-Diaminoaniso	615-05-4	ND	-	-	-	-	mg/kg	5	30
4,4'-Diaminodiphenylmethane	101-77-9	ND	-	-	-	-	mg/kg	5	30
3,3'-Dichlorobenzidine	91-94-1	ND	-	-	-	-	mg/kg	5	30
3,3'-Dimethoxybenzidine	119-90-4	ND	-	-	-	-	mg/kg	5	30
3,3'-Dimethylbenzidine	119-93-7	ND	-	-	-	-	mg/kg	5	30
4,4'-Methylenedi-o-toluidine	838-88-0	ND	-	-	-	-	mg/kg	5	30
p-Cresidine	120-71-8	ND	-	-	-	-	mg/kg	5	30
4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4	ND	-	-	-	-	mg/kg	5	30
4,4'-Oxydianiline	101-80-4	ND	-	-	-	-	mg/kg	5	30
4,4'-Thiodianiline	139-65-1	ND	-	-	-	-	mg/kg	5	30
o-Toluidine	95-53-4	ND	-	-	-	-	mg/kg	5	30
2,4-Toluylendiamine	95-80-7	ND	-	-	-	-	mg/kg	5	30
2,4,5-Trimethylaniline	137-17-7	ND	-	-	-	-	mg/kg	5	30
o-Anisidine	90-04-0	ND	-	-	-	-	mg/kg	5	30
4-Aminoazobenzene	60-09-3	ND	-	-	-	-	mg/kg	5	30

Remarks:

D.L. = Detection Limit

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009 and (EU) 2020/2096, Annex XVII Entry 43 on Azodyes releasing Aromatic Amines.

ND = Not Detected

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.

Tested Components: See component list in the last section of this report.



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Tests Conducted

4 pH Value

With reference to EN ISO 21420:2020, Section 4.2.c, and test method per ISO 4045:2018 for leather and ISO 3071:2020 for other materials.

Test Item	Result					Limit #
	1	2	3	-	-	
pH Value	6.3	6.5	6.3	-	-	3.5-9.5

Remark (#) – The limit for use on EN ISO 21420:2020 protective gloves is quoted as a reference for materials used in the tested helmet.

Tested Components: See component list in the last section of this report.

5 Detection of Amines Derived from Azocolourants and Azodyes (UK REACH Annex XVII Entry 43)

With reference to BS EN ISO 14362-1:2017 for Textile Material, BS EN ISO 17234-1:2015 for Leather Material, and/or EN ISO 14362-3:2017 & EN ISO 17234-2:2011 for 4-Aminoazobenzene, By Gas Chromatographic - Mass Spectrometric (GC-MS) and High Performance Liquid Chromatographic (HPLC) Analysis.

Method T

Test Item	CAS No.	Result					Units	D.L.	Limit
		1+2+3	-	-	-	-			
4-Aminodiphenyl	92-67-1	ND	-	-	-	-	mg/kg	5	30
Benzidine	92-87-5	ND	-	-	-	-	mg/kg	5	30
4-Chloro-o-toluidine	95-69-2	ND	-	-	-	-	mg/kg	5	30
2-Naphthylamine	91-59-8	ND	-	-	-	-	mg/kg	5	30
o-Aminoazotoluene	97-56-3	ND	-	-	-	-	mg/kg	5	30
2-Amino-4-nitrotoluene	99-55-8	ND	-	-	-	-	mg/kg	5	30
4-Chloroaniline	106-47-8	ND	-	-	-	-	mg/kg	5	30
2,4-Diaminoanisole	615-05-4	ND	-	-	-	-	mg/kg	5	30
4,4'-Diaminodiphenylmethane	101-77-9	ND	-	-	-	-	mg/kg	5	30
3,3'-Dichlorobenzidine	91-94-1	ND	-	-	-	-	mg/kg	5	30
3,3'-Dimethoxybenzidine	119-90-4	ND	-	-	-	-	mg/kg	5	30
3,3'-Dimethylbenzidine	119-93-7	ND	-	-	-	-	mg/kg	5	30
4,4'-Methylenedi-o-toluidine	838-88-0	ND	-	-	-	-	mg/kg	5	30
p-Cresidine	120-71-8	ND	-	-	-	-	mg/kg	5	30
4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4	ND	-	-	-	-	mg/kg	5	30
4,4'-Oxydianiline	101-80-4	ND	-	-	-	-	mg/kg	5	30
4,4'-Thiodianiline	139-65-1	ND	-	-	-	-	mg/kg	5	30
o-Toluidine	95-53-4	ND	-	-	-	-	mg/kg	5	30
2,4-Toluyldiamine	95-80-7	ND	-	-	-	-	mg/kg	5	30
2,4,5-Trimethylaniline	137-17-7	ND	-	-	-	-	mg/kg	5	30
o-Anisidine	90-04-0	ND	-	-	-	-	mg/kg	5	30
4-Aminoazobenzene	60-09-3	ND	-	-	-	-	mg/kg	5	30



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Tests Conducted

Method D

Test Item	CAS No.	Result					Units	D.L.	Limit
		1+2+3	-	-	-	-			
4-Aminodiphenyl	92-67-1	ND	-	-	-	-	mg/kg	5	30
Benzidine	92-87-5	ND	-	-	-	-	mg/kg	5	30
4-Chloro-o-toluidine	95-69-2	ND	-	-	-	-	mg/kg	5	30
2-Naphthylamine	91-59-8	ND	-	-	-	-	mg/kg	5	30
o-Aminoazotoluene	97-56-3	ND	-	-	-	-	mg/kg	5	30
2-Amino-4-nitrotoluene	99-55-8	ND	-	-	-	-	mg/kg	5	30
4-Chloroaniline	106-47-8	ND	-	-	-	-	mg/kg	5	30
2,4-Diaminoanisole	615-05-4	ND	-	-	-	-	mg/kg	5	30
4,4'-Diaminodiphenylmethane	101-77-9	ND	-	-	-	-	mg/kg	5	30
3,3'-Dichlorobenzidine	91-94-1	ND	-	-	-	-	mg/kg	5	30
3,3'-Dimethoxybenzidine	119-90-4	ND	-	-	-	-	mg/kg	5	30
3,3'-Dimethylbenzidine	119-93-7	ND	-	-	-	-	mg/kg	5	30
4,4'-Methylenedi-o-toluidine	838-88-0	ND	-	-	-	-	mg/kg	5	30
p-Cresidine	120-71-8	ND	-	-	-	-	mg/kg	5	30
4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4	ND	-	-	-	-	mg/kg	5	30
4,4'-Oxydianiline	101-80-4	ND	-	-	-	-	mg/kg	5	30
4,4'-Thiodianiline	139-65-1	ND	-	-	-	-	mg/kg	5	30
o-Toluidine	95-53-4	ND	-	-	-	-	mg/kg	5	30
2,4-Toluyldiamine	95-80-7	ND	-	-	-	-	mg/kg	5	30
2,4,5-Trimethylaniline	137-17-7	ND	-	-	-	-	mg/kg	5	30
o-Anisidine	90-04-0	ND	-	-	-	-	mg/kg	5	30
4-Aminoazobenzene	60-09-3	ND	-	-	-	-	mg/kg	5	30

Remarks:

D.L. = Detection Limit

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009 and (EU) 2020/2096, Annex XVII Entry 43 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended on Azodyes releasing Aromatic Amines.

ND = Not Detected

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.

Tested Components: See component list in the last section of this report.



Test Report

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Tests Conducted

Component List

No. Test Component Description(s)

- (1) Black webbing (strap).
- (2) Black brushed knit (pad).
- (3) Green webbing (belt).

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019-(Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results. Full details of our agreed decision rules and the associated risk can be viewed: <https://www.intertek.com.cn/diypage/upload/SZ-AP15-HLS-QA.pdf>.

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