

Test Report

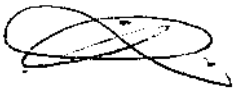
Number: GZHT02285340

Report Ref:	GZHT02285340		
Date Received:	Apr 26, 2020	Date Issued:	May 09, 2020

Company Name:	DONGGUAN KINGSPONGE INDUSTRY CO.,LTD		
Address:	东莞市心朋实业有限公司 广东省东莞市茶山镇超横路 20 号 7 号楼 101 室		
Contact Name:	金生		

The Following Sample Was Submitted And Identified By/On Behalf Of The Applicant As:			
End Uses	:	Fashion Face Mask	
Ratings	:	-	
Sample Name	:	Mask With Valve	
Size	:	-	
Colour	:	Black	
Band Name	:	Sponduct	
Manufacturer	:	DONGGUAN KINGSPONGE INDUSTRY CO.,LTD	
Date received/ Test Started	:	Apr 26, 2020	

Prepared And Checked By:
For Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Branch



Lin Lin
General Manager

qin / pennytao



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Original Sample Photo



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Conclusion :

<u>Tested Sample/Component</u>	<u>Standard</u>	<u>Result</u>
Tested Components Of Submitted Sample	Extractable Heavy Metal Content Requirement in Annex XVII Item 72 of REACH Regulation (EC) 1907/2006 and Its Amendment (EU) 2018/1513 (Effective from 1 November 2020)	Pass
Tested Component Of Submitted Sample	Requirement with Reference to Azocolourants Content in Annex XVII Item 43 and 72 of the REACH Regulation (EC) No. 1907/2006 & Its Amendments	Pass
Tested Component Of Submitted Sample	Requirement with Reference to Formaldehyde Content in Annex XVII Item 72 of REACH Regulation (EC) 1907/2006 and Its Amendment (EU) 2018/1513 (Effective from 1 November 2020)	Pass
Tested Component Of Submitted Sample	Carcinogenic Dyes Content Requirement in Annex XVII Item 72 of REACH Regulation (EC) 1907/2006 and Its Amendment (EU) 2018/1513 (Effective from 1 November 2020)	Pass
Tested Component Of Submitted Sample	Quinoline Content Requirement in Annex XVII Item 72 of REACH Regulation (EC) 1907/2006 and Its Amendment (EU) 2018/1513 (Effective from 1 November 2020)	Pass

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Tests Conducted (As Requested By The Applicant)

1 Extractable Heavy Metals:

With Reference to EN 16711-2: 2015, Extraction with Acid Perspiration Solution, Determined by Inductively Coupled Plasma Mass Spectrometric (ICP-MS) Analysis and With Reference to ISO 17075-1:2017 by UV-Visible Spectrophotometric (UV-Vis) Analysis for Chromium VI Confirmation.

Tested Element	Detection Limit (mg/kg)	Result (mg/kg)			Requirement (mg/kg)
		(1)	(2)	(3)	
Ext. Lead (Pb)	0.1	ND	ND	ND	1.0
Ext. Cadmium (Cd)	0.03	ND	ND	ND	1.0
Ext. Chromium VI (Cr VI) #	0.5	ND	ND	ND	1.0
Ext. Arsenic (As)	0.1	ND	ND	ND	1.0

Remark: Ext. = Extractable
ND = Not Detected

= Test result of Chromium VI Was based on Total Chromium Content

Tested Components:

- (1) Black sponge (body)
- (2) Black plastic (air valve)
- (3) Pitch black plastic (washer of air valve)

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Tests Conducted (As Requested By The Applicant)

2 Detection of Amines Derived from Azocolourants and Azodyes:

By Gas Chromatographic - Mass Spectrometric (GC-MS) and High Performance Liquid Chromatographic Analysis (HPLC).

Test Method: EN ISO 14362-1: 2017 for Textile Material
 EN ISO 17234-1: 2015 for Leather Material
 EN ISO 14362-3: 2017 & EN ISO 17234-2: 2011 for p-Aminoazobenzene

No.	Forbidden Amine	Cas No.	Result (mg/kg) Method T (1)
1.	4-Aminodiphenyl	92-67-1	ND
2.	Benzidine	92-87-5	ND
3.	4-Chloro-o-Toluidine	95-69-2	ND
4.	2-Naphthylamine	91-59-8	ND
5.	o-Aminoazotoluene	97-56-3	ND
6.	2-Amino-4-Nitrotoluene	99-55-8	ND
7.	p-Chloroaniline	106-47-8	ND
8.	2,4-Diaminoaniso	615-05-4	ND
9.	4,4'- Diaminodiphenylmethane	101-77-9	ND
10.	3,3'-Dichlorobenzidine	91-94-1	ND
11.	3,3'-Dimethoxybenzidine	119-90-4	ND
12.	3,3'-Dimethylbenzidine	119-93-7	ND
13.	3,3'-Dimethyl- 4,4'diaminodiphenylmethane	838-88-0	ND
14.	p-Cresidine	120-71-8	ND
15.	4,4'-Methylene-Bis(2- Chloroaniline)	101-14-4	ND
16.	4,4'-Oxydianiline	101-80-4	ND
17.	4,4'-Thiodianiline	139-65-1	ND
18.	o-Toluidine	95-53-4	ND
19.	2,4-Toluylenediamine	95-80-7	ND
20.	2,4,5-Trimethylaniline	137-17-7	ND
21.	2-Methoxyaniline	90-04-0	ND
22.	4-aminoazobenzene	60-09-3	ND
23.	2,4-Xylidine	95-68-1	ND
24.	2,6-Xylidine	87-62-7	ND

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25.	4-chloro-o-toluidinium chloride (detection by 4-Chloro-o-toluidine)	3165-93-3	ND
26.	2-Naphthylammoniumacetate (detection by 2-Naphthylamine)	553-00-4	ND
27.	4-methoxy-m-phenylene diammonium sulphate (detection by 4-methyl-m-phenylenediamine)	39156-41-7	ND
28.	2,4,5-trimethylaniline hydrochloride (detection by 2,4,5-trimethylaniline)	21436-97-5	ND

Remark: ND = Not Detected
Detection Limit = 5 mg/kg
Client's Requirement = 30 mg/kg

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

Method L: EN ISO 17234-1: 2015

The Result of Additional Amines (23-24) are Reported for Reference Only.

Tested Component:

(1) Black sponge (body)

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Tests Conducted (As Requested By The Applicant)

3 Formaldehyde Content

With Reference to EN ISO 14184-1:2011, Followed by UV-Visible Spectrophotometer (UV-Vis).

<u>Tested Sample/Component</u>	<u>Result (mg/kg)</u>	<u>Requirement (mg/kg)</u>
(1)	ND	75

Remark: Detection Limit = 5 mg/kg
ND = Not Detected

Tested Component:
(1) Black sponge (body)

4 Carcinogenic Dyes Content:

With Reference to DIN 54231: 2005, by Liquid Chromatographic - Tandem Mass Spectrometric (LC-MS-MS) Analysis.

<u>Tested Compound</u>	<u>CAS No.</u>	<u>Result (mg/kg)</u>	<u>Requirement (mg/kg)</u>
		(1)	
C.I. Disperse Blue 1	2475-45-8	ND	50
C.I. Basic Red 9	569-61-9	ND	50
C.I. Basic Violet 3 with ≥ 0,1 % of Michler's ketone	548-62-9	ND	50

Remark: Detection Limit = 15 mg/kg
ND = Not Detected

Tested Component:
(1) Black sponge (body)

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Tests Conducted (As Requested By The Applicant)

5 Quinoline Content

By Solvent Extraction, Followed by Liquid Chromatography – Tandem Mass Spectrometry (LC-MS-MS) Analysis.

<u>Tested Sample/Component</u>	<u>Result (mg/kg)</u>	<u>Requirement (mg/kg)</u>
(1)	ND	50

Remark: Detection Limit = 10 mg/kg
ND = Not DetectedTested Component:
(1) Black sponge (body)

End of Report

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