

Applicant: GUANGZHOU HUAISHENG PACKAGING INC., LTD  
2ND FLOOR, BUILDING A2, NO. 1, HUANBAO  
5TH ROAD, XINTANG TOWN, ZENGCHENG  
DISTRICT, GUANGZHOU

Date: Aug 19, 2024

Attn: EMMA WU

Sample Description:


Two (2) groups of submitted samples said to be:

(A) Natural Color paper shoe box

(B) Natural Color paper bag

Standard : -  
Buyer's Name : BARED FOOTWEAR  
Colour : Kraft paper color  
Vendor : -  
Manufacturer : GUANGZHOU HUAISHENG PACKAGING MATERIAL CO., LTD  
Supplier : -  
Style No./Name : -  
P.O. No. : -  
Ref. : Sample Description: Paper box, paper bag  
Country Of Origin : -  
Goods Exported To : Australia  
Date Received/Date Test Started : Aug 07, 2024  
Date Final Information Confirmed: Aug 14, 2024

Authorized By:  
For Intertek Testing Services Shenzhen Ltd.  
Guangzhou Branch



Guiliang Dong  
Senior Lab Manager

wx/chrispeng



Conclusion:

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1.	Alkylphenols (APs) & Alkylphenol Ethoxylates (APEOs) Content	Pass
2.	Azo-amines and Arylamine Salts Content	Pass
3.	Bisphenols Content	Pass
4.	Formaldehyde Content	Pass
5.	Total Heavy Metal Content	Pass
6.	Total Mercury (Hg) Content	Pass

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Should you have any query on this report, you may contact at [gzfootwear@intertek.com](mailto:gzfootwear@intertek.com)

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检验检测专用章

SHENZHEN  
GUANGZHOU BRANCH  
(6)

## 1 Alkylphenols (APs) & Alkylphenol Ethoxylates (APEOs) Content

For Alkylphenols (APs):

For Textile and Leather: With Reference To ISO 21084:2019,

For Other Material: Extraction: 1 g sample/20 mL THF, sonication for 60 minutes at 70°C,

Followed By Liquid Chromatography Mass Spectrometry (LC-MS) Or Liquid Chromatography / Tandem Mass Spectrometer (LC-MS-MS) Or Gas Chromatographic-Mass Spectrometric (GC-MS) Analysis.

For Alkylphenol Ethoxylates (APEOs):

With Reference To EN ISO 18254-1:2016 For All Materials Except Leather, EN ISO 18218-1:2023 For Leather,

Followed By Liquid Chromatography Mass Spectrometry (LC-MS) Or Liquid Chromatography /Tandem Mass Spectrometer (LC-MS-MS) Analysis.

Compounds	CAS No.	Result (ppm)		Requirement (ppm)
		(1+2)	(3+4+5)	
Nonylphenol (NP)	Various	ND	ND	--
Octylphenol (OP)	Various	ND	ND	--
Sum of NP+OP	--	ND	ND	100
Nonylphenol ethoxylates (NPEOs)	Various	ND	ND	--
Octylphenol ethoxylates (OPEOs)	Various	ND	ND	--
Sum of NP+OP+NPEOs+OPEOs	--	ND	ND	100

Remark: Detection limit = 3 ppm for NP, OP; 20 ppm for NPEOs, OPEOs

ND = Not detected

ppm = parts per million = mg/kg

Tested Components: Please See Component List In The Last Section Of This Report.

## 2 Azo-amines and Arylamine Salts Content:

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: 2020 for Leather Material  
 EN ISO 14362-3 : 2017 & EN ISO 17234-2: 2011 for p-Aminoazobenzene

	Forbidden Amine	CAS No.	Result (ppm)			
			Method T			
			(1+2)	(3)	(4)	(5)
1.	4-Aminodiphenyl	92-67-1	ND	ND	ND	ND
2.	Benzidine	92-87-5	ND	ND	ND	ND
3.	4-Chloro-o-Toluidine	95-69-2	ND	ND	ND	ND
4.	2-Naphthylamine	91-59-8	ND	ND	ND	ND
5.	o-Aminoazotoluene	97-56-3	ND	ND	ND	ND
6.	2-Amino-4-Nitrotoluene	99-55-8	ND	ND	ND	ND
7.	p-Chloroaniline	106-47-8	ND	ND	ND	ND
8.	2,4-Diaminoanisole	615-05-4	ND	ND	ND	ND
9.	4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	ND	ND
10.	3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	ND
11.	3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	9
12.	3,3'-Dimethylbenzidine	119-93-7	ND	ND	ND	ND
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	ND	ND	ND	ND
14.	p-Cresidine	120-71-8	ND	ND	ND	ND
15.	4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	ND	ND	ND	ND
16.	4,4'-Oxydianiline	101-80-4	ND	ND	ND	ND
17.	4,4'-Thiodianiline	139-65-1	ND	ND	ND	ND
18.	o-Toluidine	95-53-4	ND	ND	ND	ND
19.	2,4-Toluylenediamine	95-80-7	ND	ND	ND	ND
20.	2,4,5-Trimethylaniline	137-17-7	ND	ND	ND	ND
21.	2,4 Xylidine	95-68-1	ND	ND	ND	ND
22.	2,6 Xylidine	87-62-7	ND	ND	ND	ND
23.	2-Methoxyaniline	90-04-0	ND	ND	ND	ND
24.	p-Aminoazobenzene	60-09-3	ND	ND	ND	ND
25.	4-Chloro-o-toluidinium chloride (detection by 4-Chloro-o-toluidine)	3165-93-3	ND	ND	ND	ND
26.	2-Naphthylammoniumacetate (detection by 2-Naphthylamine)	553-00-4	ND	ND	ND	ND
27.	4-Methoxy-m-phenylene diammonium sulphate (detection by 4-methyl-m-phenylenediamine)	39156-41-7	ND	ND	ND	ND
28.	2,4,5-Trimethylaniline hydrochloride (detection by 2,4,5-trimethylaniline)	21436-97-5	ND	ND	ND	ND

Remark : ND = Not detected  
 Detection Limit = 5 ppm  
 Client's Requirement = 20 ppm each  
 ppm = parts per million = 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: 2020

Tested Components: Please See Component List In The Last Section of This Report



### 3 Bisphenols Content:

For Leathers With Reference to EN ISO 11936:2023,  
 For All Other Materials, Extraction with 1g sample/20 mL THF, Sonication for 60 Minutes at 60°C,  
 By Liquid Chromatographic Mass Spectrometric (LC-MS) or Liquid Chromatograph-Tandem Mass Spectrometry (LC-MS/MS) Analysis.

Compounds	CAS No.	Result (ppm)		Requirement (ppm)
		(1+2)	(3+4+5)	<u>Non Intended to come in Contact with mouth</u>
Bisphenol-A (BPA)	80-05-7	2.1	1.6	1000
Bisphenol S (BPS)	80-09-1	1.0	1.5	1000
Bisphenol B (BPB)	77-40-7	ND	ND	1000
Bisphenol F (BPF)	620-92-8	ND	ND	1000

Remark: Detection Limit = 0.1 ppm  
 ppm = Parts Per Million=mg/kg  
 ND = Not Detected

Tested Components: Please See Component List In The Last Section of This Report

### 4 Formaldehyde Content

For Leather: With Reference To ISO 17226-1:2021, Formaldehyde Content Was Determined By High Performance Liquid Chromatographic Analysis (HPLC).

For Other Materials: With Reference To JIS L 1041-2011A (Japan Law 112) Or ISO 14184-1:2011, Formaldehyde Content Was Determined By UV-Visible Spectrophotometer.

Compounds	CAS No.	Result (ppm)		Requirement (ppm)
		(1+2)	(3+4+5)	<u>Adults and children</u>
Formaldehyde	50-00-0	ND	ND	150

Remark: ppm = parts per million = mg/kg  
 Detection Limit = 16 ppm  
 ND = Not Detected

Tested Components: Please See Component List In The Last Section Of This Report.



5 Total Heavy Metal Content:

Test Method:

All Material except Leather: DIN EN 16711-1:2016

Determined By Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) or Atomic Absorption Spectrophotometric (AAS).

Elements	CAS No.	Result (ppm)				Requirement (ppm)
		(1+2)	(3)	(4)	(5)	
Total Lead (Pb)	7439-92-1	ND	ND	ND	ND	100
Total Cadmium (Cd)	7440-43-9	ND	ND	ND	ND	100
Chromium VI(Cr VI)	131-10-7	ND	ND	ND	ND	100

Remarks: ppm = parts per million = mg/kg  
 Detection Limit= 10 ppm for Pb & As, 5 ppm for Cd, Cr VI  
 ND = Not detected

Tested Components: Please See Component List In The Last Section of This Report.

6 Total Mercury (Hg) Content:

With Reference To DIN EN 16711-1:2016 for All Materials Except Leather, DIN EN ISO 17072-2:2019 For Leather, Determined By Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).

Tested Element	CAS No.	Result (ppm)				Requirement (ppm)
		(1+2)	(3)	(4)	(5)	
Mercury (Hg)	7439-97-6	ND	ND	ND	ND	100

Remarks : ppm = Parts per million = mg/kg  
 ND = Not detected  
 Detection Limit = 5 ppm

Tested Components: Please See Component List In The Last Section of This Report.

Component List:

- (1) Natural Color Paperboard With Black Printing And With Glue (Box Of Sample A).
- (2) Natural Color String (Handle Of Sample A).
- (3) Natural Color Paper With Black Printing (Bag Of Sample B).
- (4) Natural Color/White String (Handle Of Sample B).
- (5) Natural Color/Blue String (Handle Of Sample B).





End of Report

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