

Test report

24D-000682



Verify Report

Overall result

Pass

Please refer to the following pages for test result summary and notes.

Client information

Client: G BRANDED GmbH
Address: Gastager Feld 13, 83313 Siegsdorf,
Germany



Sample information

Description: Audi Sport Keyring carabiner Loop, black	Purchase order #: 114813
SKU/style #: 25001397	Labeled age grade: -
Country of origin: China	Tested age grade: -
Country of distribution: Canada, China, Europe	
Buyer: G BRANDED GmbH	
Quantity submitted: 20 pcs	

General information

Sample receipt date: 28-Apr-2024
Testing period: 28-Apr-2024 to 30-Apr-2024
20-Jun-2024 to 05-Jul-2024

Report date: 09-Jul-2024

QIMA Hansecontrol Testing Service (Dongguan) Co. Ltd.

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Result summary

At the request of the client, the following test were conducted:

Test(s) conducted	Conclusion
EC Directive 94/62/EC and its amendments, Heavy Metals in Packaging	Pass
GB 28480-2012 Soluble Elements in Adornment	Pass
GB 28480-2012 Total Elements in Adornment	Pass
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) -Aromatic amine salts	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles	Pass
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Carcinogenic Dyes and Allergenic Dyes content	Pass
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Chlorinated Aromatic Hydrocarbons	Pass
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Cadmium, Hexavalent Chromium, Arsenic, Lead and Their Compounds	Pass
Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Formaldehyde	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 27 Nickel Release – Direct and Prolonged Contact with Skin	Pass
Regulation (EC) No. 1907/2006-REACH-Quinoline Content (Entry 72)	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials	Pass
Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content	Pass
Marking of Imported Goods Order, (C.R.C., c.535), Country of Origin	PASS
Consumer Packaging and Labeling Act (R.S., 1985, c. C-38)	PASS
Consumer Packaging and Labelling Regulation (C.R.C., c. 417)	PASS
Charter of French Language, (R.S.Q., c.C-11), Province of Quebec Labeling	PASS
GPSD 2001/95/EC Article 5 -General-Labeling Review	PASS
China-Regulations for the Implementation of the Standardization Law -Labeling Review	PASS
GB/T 5296.1-2012Consumer Products-Labeling Review	PASS
QB/T 1143-2003-Key Holder-Physical Performance Test and Labeling Review ^φ	PASS

Appendix I attached.

Note:

Test(s) marked with ^φ indicate tests performed in external laboratories.





Detailed results

EC Directive 94/62/EC and its amendments, Heavy Metals in Packaging

Test Method: In-House Method
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry,
Ultraviolet-Visible Spectrophotometry

Specimen No.	5+6+7	8+9	---	---	---	Total Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Cadmium (Cd)	ND	ND	---	---	---	
Chromium VI (Cr VI)	ND	ND	---	---	---	
Lead (Pb)	ND	ND	---	---	---	
Mercury (Hg)	ND	ND	---	---	---	
Sum	ND	ND	---	---	---	100
Conclusion	Pass	Pass	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 20 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.
Total Chromium is reported for Chromium (VI) unless specified.





Detailed results

GB 28480-2012 Soluble Elements in Adornment

Analysis performed by Inductively Coupled Plasma-Mass Spectrometry to determine compliance with the above referenced standard.

[Referenced Test Method: GB/T 28021-2011 Clause 7]

Specimen No.	2	---	---	---	---	Limit Soluble (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Soluble Sb	ND	---	---	---	---	60
Soluble As	ND	---	---	---	---	25
Soluble Ba	ND	---	---	---	---	1000
Soluble Cd	ND	---	---	---	---	75
Soluble Cr	ND	---	---	---	---	60
Soluble Pb	ND	---	---	---	---	90
Soluble Hg	ND	---	---	---	---	60
Soluble Se	ND	---	---	---	---	500
Conclusion	Pass	---	---	---	---	

Note:

Sb = Antimony; As = Arsenic; Ba = Barium; Cd = Cadmium;

Cr = Chromium; Pb = Lead; Hg = Mercury; Se = Selenium

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 2 mg/kg)

Remark:

Test portion of Specimen No. 2 found on single sample was 13.7 mg.





Detailed results

GB 28480-2012 Total Elements in Adornment

Analysis performed by Inductively Coupled Plasma-Optical Emission Spectrometry and Ultraviolet-Visible Spectrophotometry to determine compliance with the above referenced standard.
[Referenced Test Method: GB/T 28021-2011 Clause 6[#] and GB/T 28019-2011[#]]

Specimen No.	3+4	---	---	---	---	Limit Total (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total As	170	---	---	---	---	1000
Total Cd	ND	---	---	---	---	100
Total Cr (VI)	ND	---	---	---	---	1000
Total Pb	51	---	---	---	---	1000
Total Hg	ND	---	---	---	---	1000
Conclusion	Pass	---	---	---	---	

Note:

As = Arsenic; Cd = Cadmium; Cr (VI) = Hexavalent Chromium; Pb = Lead; Hg = Mercury

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 20mg/kg)





Detailed results

Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) -Aromatic amine salts

Test Method: EN ISO 14362-1:2017

Analytical Method: Gas Chromatography with Mass Spectrometry/ Liquid Chromatography-Mass Spectrometer (LC-MS)

Specimen No.		1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
4-chloro-o-toluidinium chloride ^Δ	3165-93-3	ND	---	---	---	30
2-Naphthylammoniumacetate ^Δ	553-00-4	ND	---	---	---	30
2,4-diaminoanisole sulphate ^Δ	39156-41-7	ND	---	---	---	30
2,4,5-trimethylaniline hydrochloride ^Δ	21436-97-5	ND	---	---	---	30
Conclusion		Pass	---	---	---	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million)

LT = Less than

ND = Not detected (Reporting Limit = 10 mg/kg)

Δ = Determination was based on aromatic amines analysis. The content was calculated based on assumption of worst-case.

Remark:

The analytical result of detected amine is confirmed by LC-DAD / LC-MS.





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles

Test Method: EN ISO 14362-1:2017
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
4-aminobiphenyl	92-67-1	ND	---	---	---	30
Benzidine	92-87-5	ND	---	---	---	30
4-chloro-o-toluidine	95-69-2	ND	---	---	---	30
2-naphtylamine	91-59-8	ND	---	---	---	30
o-Aminoazotoluene	97-56-3	ND	---	---	---	30
5-nitro-o-toluidine	99-55-8	ND	---	---	---	30
4-chloroaniline	106-47-8	ND	---	---	---	30
2,4-diaminoanisoie	615-05-4	ND	---	---	---	30
4,4'-methylenedianiline	101-77-9	ND	---	---	---	30
3,3'-dichlorobenzidine	91-94-1	ND	---	---	---	30
o-dianisidine	119-90-4	ND	---	---	---	30
3,3'-dimethylbenzidine	119-93-7	ND	---	---	---	30
4,4'-methylenedi-o-toluidine	838-88-0	ND	---	---	---	30
p-cresidine	120-71-8	ND	---	---	---	30
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	ND	---	---	---	30
4,4'-oxydianiline	101-80-4	ND	---	---	---	30
4,4'-thiodianiline	139-65-1	ND	---	---	---	30
o-toluidine	95-53-4	ND	---	---	---	30
2,4-diaminotoluene	95-80-7	ND	---	---	---	30
2,4,5-trimethylaniline	137-17-7	ND	---	---	---	30
2-methoxyaniline	90-04-0	ND	---	---	---	30
4-aminoazobenzene	60-09-3	ND	---	---	---	30
Conclusion		Pass	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 5 mg/kg)

Composite results are based on total mass of the composite test portion.

Remark:

In the case of levels per amine component less than or equal to 30 mg/kg, 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 in the commodity submitted.

Detailed results



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In the case of levels per amine component more than 30 mg/kg, 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.

The analytical result of detected amine is confirmed by LC-DAD / LC-MS.





Detailed results

Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Carcinogenic Dyes and Allergenic Dyes content

Test Method: DIN 54231:2005
Analytical Method: Liquid Chromatography-Mass Spectrometer (LC-MS)

Specimen No.	1	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
C.I. Disperse Blue 1	ND	---	---	---	---	50
C.I. Basic Red 9	ND	---	---	---	---	50
C.I. Basic Violet 3 with $\geq$ 0.1% of Michler's ketone	ND	---	---	---	---	50
Conclusion	Pass	---	---	---	---	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million)

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.





Detailed results

Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - *Chlorinated Aromatic Hydrocarbons*

Test Method: DIN 54232:2010
Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Specimen No.		1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
$\alpha,\alpha,\alpha,4$ -tetrachlorotoluene; p-chlorobenzotrichloride	5216-25-1	ND	---	---	---	1
α, α,α -trichlorotoluene; benzotrighloride	98-07-7	ND	---	---	---	1
α -chlorotoluene; benzyl chloride	100-44-7	ND	---	---	---	1
Conclusion		Pass	---	---	---	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million)

LT = Less than

ND = Not detected (Reporting Limit = 0.3 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.





Detailed results

Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Cadmium, Hexavalent Chromium, Arsenic, Lead and Their Compounds

Test Method: EN 16711-2:2015, ISO 17075-1:2017

Analytical Method: Inductively Coupled Plasma-Mass Spectrometry, Ultraviolet-Visible Spectrophotometry

Specimen No.	1	---	---	---	Migratable Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Cadmium and its Compounds ^Δ	ND	---	---	---	1
Chromium VI Compounds ^Δ	ND	---	---	---	1
Arsenic Compounds ^Δ	ND	---	---	---	1
Lead and its Compounds ^Δ	ND	---	---	---	1
Conclusion	Pass	---	---	---	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million)

LT = Less than

ND = Not detected (Reporting Limit = 0.5 mg/kg)

Δ = Determination was based on elemental analysis. The content was calculated based on assumption of worst-case.





Detailed results

Regulation (EC) No 1907/2006 REACH Annex XVII Item 72, Certain Substances Classified as Carcinogenic, Mutagenic or Toxic for Reproduction (CMR) - Formaldehyde

Test Method: ISO 14184-1:2011
Analytical Method: Ultraviolet-Visible Spectrophotometry

Specimen No.	1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Formaldehyde	50-00-0	ND	---	---	75
Conclusion	Pass	---	---	---	

Note:
mg/kg (Milligrams per kilogram) = ppm (Parts per million)
LT = Less than
ND = Not detected (Reporting Limit = 16 mg/kg)





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 27 Nickel Release – Direct and Prolonged Contact with Skin

Test Method: EN 12472:2020 and EN 1811:2023
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Direct and Prolonged Contact with Skin

Specimen No.	2			Limit
	Trial 1	Trial 2	Trial 3	
Test Item	Result	Result	Result	
Size of Tested Sample Area (cm ²)	12.19	12.19	12.19	
Volume of Test solution Used (mL)	12.2	12.2	12.2	
Nickel result (µg · cm ⁻² · week ⁻¹)	ND	ND	ND	0.5*
Conclusion	Pass			

Note:

cm² = Square centimeters

mL = Millilitres

µg · cm⁻² · week⁻¹ = Micrograms per square centimeter per week

LT = Less than

ND = Not detected (Reporting Limit = 0.1 µg · cm⁻² · week⁻¹)

Remark:

*According to EN 1811:2023, clause 9.2.2, applying the measurement uncertainty, an article is:

Compliant when the nickel release value is less than or equal to 0.88 µg · cm⁻² · week⁻¹;

Non-compliant when the nickel release value is greater than 0.88 µg · cm⁻² · week⁻¹.





Detailed results

Regulation (EC) No. 1907/2006-REACH-Quinoline Content (Entry 72)

Test Method: With reference to DIN 54231:2005
Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Specimen No.		1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Quinoline	91-22-5	ND	---	---	---	50
Conclusion		Pass	---	---	---	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million)

LT = Less than

ND = Not detected (Reporting Limit = 5 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal) and/or CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	3+4	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	51	---	---	---	---	500
Conclusion	Pass	---	---	---	---	

Note:
mg/kg = Milligrams per kilogram
LT = Less than
ND = Not detected (Reporting Limit = 20 mg/kg)
Composite results are based on specimen of least mass resulting in highest potential concentration.





Detailed results

Canadian Consumer Products Containing Lead Regulations (SOR/2018-83), Total Lead Content

Test Method: ASTM F963-23 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	3+4	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	51	---	---	---	---	90
Conclusion	Pass	---	---	---	---	

Note:

mg/kg (Milligrams per kilogram) = ppm (Parts per million) = 0.0001 % m/m (Percent by mass)

LT = Less than

ND = Not detected (Reporting Limit = 20 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.





Detailed results

Marking of Imported Goods Order, (C.R.C., c.535), Country of Origin

Section	Requirement	Conclusion
2	Country of Origin Markings	PASS

Consumer Packaging and Labeling Act (R.S., 1985, c. C-38)

Section	Requirement	Conclusion
10	Identity and Principal Place of Business	PASS

Consumer Packaging and Labelling Regulation (C.R.C., c. 417)

Section	Requirement	Conclusion
13	Identity and Principal Place of Business	PASS

Charter of French Language, (R.S.Q., c.C-11), Province of Quebec Labeling

Section	Requirement	Conclusion
c.C-11	French Labeling	PASS





Detailed results

GPSD 2001/95/EC Article 5 -General-Labeling Review

Test	Observation	Conclusion
General Product Safety Directive 2001/95/EC Article 5 Labeling Review	Name and contact address of supplier and identification code are Present on article in correct format Risk which these products might pose is present and in official language.	PASS

China-Regulations for the Implementation of the Standardization Law -Labeling Review

Test	Observation	Conclusion
China-Regulations for the Implementation of the Standardization Law -Labeling Review	The product standard was present.	PASS

GB/T 5296.1-2012Consumer Products-Labeling Review

Test Method	Test Principle / Requirements	Conclusion
GB/T 5296.1-Consumer Products-Labeling Review	Shall label the manufacturer name, address and the product standard, and adopt standardized Chinese characters.	PASS





Detailed results

QB/T 1143-2003-Key Holder-Physical Performance Test and Labeling Review[†]

Physical performance and labelling review evaluated as described in QB/T 1143-2003, as applicable.

Section	Test	Conclusion
4	Requirements	Pass
4.1	Key holder resilience	Pass
4.3	Key holder static tensile load	Pass
4.4	Surface quality	Pass
4.5	Assembly quality	Pass
4.6	Plating surface quality	Pass
4.7	Plating corrosion resistance	Pass
7.1.1	Product packaging marking	Pass



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Specimen description

Specimen #	Specimen description	Location
1	Black/red/grey fabric	Webbing
2	Black metal	Hook(entire)
3	Black metal	Hook frame
4	Black metal	Hook switch
5	Clear laminated white paper with black print	Bag
6	Clear laminated white paper with black/red print	Hang tag
7	Black printed white paper with adhesive	Sticker
8	Transparent plastic	String
9	Iridescent plastic with adhesive	Brand





Pictures

Sample photo:



End of the report

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule. (<https://www.qima.com/conditions-of-service#decisionRule>). This test report may not be reproduced in whole or in part, without the written approval of QIMA Hansecontrol Testing Service (Dongguan) Co. Ltd..



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