

## TEST REPORT

Test Report # 20G-000484 Date of Report Issue: May 29, 2020  
Date of Sample Received: March 18, 2020 Pages: Page 1 of 11

### CLIENT INFORMATION:

Company: NINGBO HAWARD RAZOR CO.,LTD  
Recipient: Ricardo  
Recipient Email: admin@hawardcare.com



### SAMPLE INFORMATION:

Description: safety razor  
Assortment: -  
SKU/style No.: -  
Factory/Supplier/Vendor: -  
Country of Origin: China  
Country of Distribution: -  
Quantity Submitted: 16 PCS  
Testing Period: 04/07/2020 – 04/20/2020,  
04/15/2020 – 04/21/2020,  
05/18/2020 – 05/29/2020

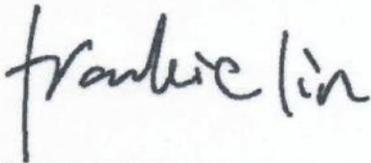
Purchase Order Number: 2923385950102271  
Toy Co./Agency: 5  
Buyer: -  
Labeled Age Grade: -  
Recommended Age Grade: -  
Tested Age Grade: -

### OVERALL RESULT:

**PASS**

Refer to page 2 for test result summary and appropriate notes.

QIMA Testing (Dongguan) Co., Ltd.



Frankie Lin Guan Qin  
Manager, Chemical Laboratory

QIMA Testing (Dongguan) Co., Ltd. • Room 301, Building No.4, Dongkeng Qianmei Road No.8, Dongkeng County, Dongguan City, Guangdong Province, China • Tel: (769)8101 3838.

Test(s) marked with 'φ' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and 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](#).

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## TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Paints and Surface Coatings
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 20 Organostannic Compounds
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 Phthalates – Non-Mouthable (DBP, BBP, DEHP, DIBP)
PASS	German Product Safety Act (ProdSG) Article 21 (1) No. 3, Polycyclic Aromatic Hydrocarbon (PAH) <sup>φ</sup>
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 27 Nickel Release

**DETAILED RESULTS:**

**Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Paints and Surface Coatings**

Test Method: ASTM F963-17 Clause 8.3.1  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	---	---	---	---	<b>1000</b>
<b>Conclusion</b>	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:**

**Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings**

Test Method: CPSC-CH-E1003-09.1  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	112	---	---	---	---	500
<b>Conclusion</b>	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:**

**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.	2	3	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	32	150	---	---	---	500
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.

**DETAILED RESULTS:**

**Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 20 Organostannic Compounds**

Test Method: In-House Method  
 Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.	1	---	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Tributyltin (TBT)	ND	---	---	---	---	1000
Triphenyltin (TPT)	ND	---	---	---	---	1000
Dibutyltin (DBT)	ND	---	---	---	---	1000
Dioctyltin (DOT)	ND	---	---	---	---	1000
<b>Conclusion</b>	PASS	---	---	---	---	

**Note:**

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 10 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 as amended, Item 51 Phthalates – Non-Mouthable (DBP, BBP, DEHP, DIBP)**

Test Method: CPSC-CH-C1001-09.4  
 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)	
Dibutyl phthalate (DBP)	84-74-2	ND	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	---	---	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	---	---	1000
Sum of DBP, BBP, DEHP, DIBP		ND	---	---	1000
<b>Conclusion</b>		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 = 300 mg/kg)

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

**DETAILED RESULTS:**

**German Product Safety Act (ProdSG) Article 21 (1) No. 3, Polycyclic Aromatic Hydrocarbon (PAH) †**

Test Method: AfPS GS 2014:01 †  
 Analytical Method: Gas Chromatography with Mass Spectrometry

Category 2: Materials with foreseeable skin-contact of > 30 seconds (prolonged skin-contact) or short-term repetitive contact with the human skin for Other Products

Specimen No.		1	---	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Benzo (a) pyrene	50-32-8	ND	---	---	---	0.5
Benzo (e) pyrene	192-97-2	ND	---	---	---	0.5
Benzo (a) anthracene	56-55-3	ND	---	---	---	0.5
Benzo (b) fluoranthene	205-99-2	ND	---	---	---	0.5
Benzo (j) fluoranthene	205-82-3	ND	---	---	---	0.5
Benzo (k) fluoranthene	207-08-9	ND	---	---	---	0.5
Chrysene	218-01-9	ND	---	---	---	0.5
Dibenzo (a,h) anthracene	53-70-3	ND	---	---	---	0.5
Benzo (g,h,i) perylene	191-24-2	ND	---	---	---	0.5
Indeno (1,2,3-cd) pyrene	193-39-5	ND	---	---	---	0.5
Acenaphthylene	208-96-8	ND	---	---	---	
Acenaphthene	83-32-9	ND	---	---	---	
Fluorene	86-73-7	ND	---	---	---	
Phenanthrene	85-01-8	ND	---	---	---	
Pyrene	129-00-0	ND	---	---	---	
Anthracene	120-12-7	ND	---	---	---	
Fluoranthene	206-44-0	ND	---	---	---	
Sum of Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene		ND	---	---	---	10
Naphthalene	91-20-3	ND	---	---	---	2
Sum of 18 PAH		ND	---	---	---	10
Conclusion		PASS	---	---	---	

Note:  
 mg/kg = Milligrams per kilogram  
 ND = Not detected (Reporting Limit = 0.2 mg/kg)

Remark: Test result is calculated based on the dry weight of sample.

**DETAILED RESULTS:**

**Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 27 Nickel Release**

Test Method: EN 12472:2005+A1:2009 and EN 1811:2011+A1:2015  
 Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Direct and Prolonged Contact with Skin

Specimen No.	2-A	2-B	2-C	---	Limit
Size of Tested Sample Area (cm <sup>2</sup> )	48.7	48.7	48.7	---	
Volume of Test solution Used (mL)	48	48	48	---	0.5
Nickel Trial 1 (µg/cm <sup>2</sup> /week)	ND	ND	ND	---	
Nickel Trial 2 (µg/cm <sup>2</sup> /week)	ND	ND	ND	---	
<b>Conclusion</b>	PASS	PASS	PASS	---	

Specimen No.	3-A	3-B	3-C	---	Limit
Size of Tested Sample Area (cm <sup>2</sup> )	32	32	32	---	
Volume of Test solution Used (mL)	32	32	32	---	0.5
Nickel Trial 1 (µg/cm <sup>2</sup> /week)	ND	ND	ND	---	
Nickel Trial 2 (µg/cm <sup>2</sup> /week)	ND	ND	ND	---	
<b>Conclusion</b>	PASS	PASS	PASS	---	

**Note:**

cm<sup>2</sup> = Square centimeters

mL = Millilitres

µg/cm<sup>2</sup>/week = Micrograms per square centimeter per week

LT = Less than

ND = Not detected (Reporting Limit = 0.1 ug/cm<sup>2</sup>/week)

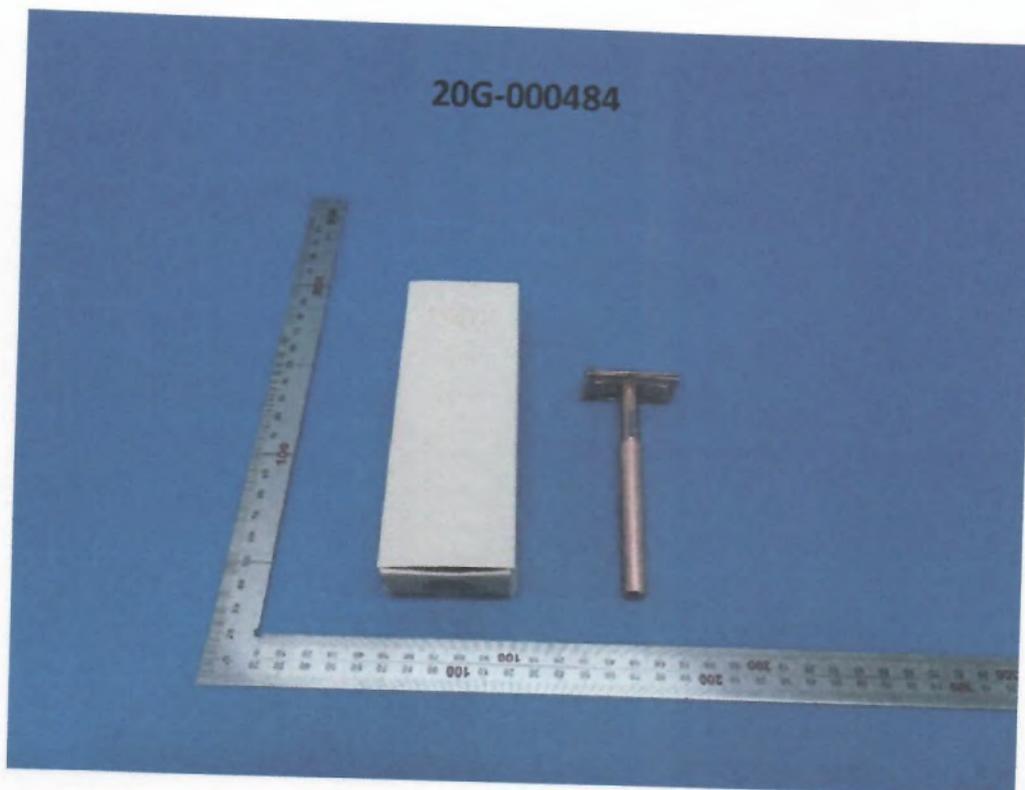
**Remark:**

By client's request, the compliance was not evaluated with the combined measurement uncertainty.

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Clear varnish	On body
2	Silvery metal with rose golden plating	Head
3	Silvery metal with rose golden plating	Handle

**SAMPLE PHOTO:**



-End Report-