

Report No.: 1203058767-03a

Client: KWAHM SUMPAN CO.,LTD.
55/1-4 Moo 7,
Bangkruay Sai Noi Road,
Bangkruay,Bangkruay, Nonthaburi 11130

Identification/ TRP-1704

Model No(s): 562-127

Sample Receiving date: 2018-11-21

Testing Period: 2018-11-21 to 2018-12-04

Delivery condition: Apparent good, Samples tested as received

Test Specification:

1. Total Lead Content
2. Total Lead Content in Rhinestone/Crystal
3. Total Cadmium Content
4. Ni release (EN 12472:2005 & EN 1811: 2011+ A1:2015)
5. Silver Content ; XRF Screening test

Test result:

- PASS
- PASS
- PASS
- PASS
- Refer to result page

Other information:

Manufacture: KWAHM SUMPAN CO.,LTD
Country of Origin: THAILAND

For and on behalf of
TÜV Rheinland Thailand Ltd.



2018-12-04

Wilawan Sriphrom / Manager

Date

Name/Position

*Test result is drawn according to the kind and extent of tests performed.
This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.*

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Material List:
 Item: TRP-1704
 562-127

Material No.	Material	Color	Location
M001	Silver	Silver with silver plated	Refer to photo
M002	Plastic	Clear	Refer to photo
M003	CZ	White	Refer to photo

1.Total Lead Content

Test Method: (Metal materials) CPSC Test Method: US CPSC-CH-E1001-08.3:2012 Standard Operating Procedure for Determinating total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry)

(Non-metallic materials) CPSC Test Method: US CPSC-CH-E1002-08.3: 2012 Standard Operating Procedure for Determinating Total Lead (Pb) in Non-Metal Children Product

Test result

Test No.	Material No.	Test Parameter	Unit	RL	Customer's Requirement	Test Result
T001	M001	Total Lead	mg/kg	2	90	n.d.
T002	M002	Total Lead	mg/kg	2	90	4

Abbreviation: n.d. denotes Not Detected (<RL)
 RL denotes Reporting Limit
 mg/kg denotes Milligram per kilogram

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2.Total Lead Content in Rhinestone/Crystal

Test Method: CPSC-CH-E1002-08.3: 2012 "Standard Operating Procedure for Determinating Total Lead (Pb) in Non-Metal Children Product"

Test result

Test No.	Material No.	Test Parameter	Unit	RL	Customer's Requirement	Test Result
T001	M003	Total Lead	mg/kg	2	500	n.d.

Abbreviation: n.d. denotes Not Detected (<RL)
 RL denotes Reporting Limit
 mg/kg denotes Milligram per kilogram

3.Total Cadmium Content

Test Method: Acid digestion based on EPA 3050B:1996 (Modified) / EPA 3052:1996 (Modified).
 Analysis was performed by ICP-MS.

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Customer's Requirement	Test Result
T001	M001	Total Cadmium	mg/kg	2	40	n.d.
T002	M002	Total Cadmium	mg/kg	2	10	n.d.

Abbreviation: n.d.denotes Not Detected (<RL)
 RLdenotes Reporting Limit
 mg/kgdenotes Milligram per kilogram

4. Nickel release

Test Method: Nickel - According to EN 12472:2005 + A1:2009 & EN 1811:2011+ A1:2015
 The tests have been performed in succession.

Test Result :

Test No.	Material No.	Trial	Nickel released ($\mu\text{g}/\text{cm}^2/\text{week}$)	RL ($\mu\text{g}/\text{cm}^2/\text{week}$)	Customer's Requirement ($\mu\text{g}/\text{cm}^2/\text{week}$)
T001	M001	1	n.d.	0.05	0.11
		2	n.d.	0.05	
		3	n.d.	0.05	

Abbreviation: n.d. = Not Detected (< RL)
 RL = Reporting Limit
 $\mu\text{g}/\text{cm}^2/\text{week}$ = micrograms per one square centimeter per week

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5.Silver content

Test Method: In-House Method, determination by ED-XRF.

Test result

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M001	Silver Content	%	0.005	96.78

Abbreviation: n.d. = not detected (< Reporting Limit)
RL = Reporting Limit
% = Percentage by weight (1 % = 10,000 mg/Kg)

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Sample Photo



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