

TEST REPORT

NO.: A001T121130001001

Date: Dec 06, 2012

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Applicant:

Address:

Report on the submitted sample said to be:

Sample name: Circular tin

Model: 1616

Item/Lot No. : /

Material: tin

Buyer: /

Supplier:

Manufacturer:

Country of Origin: /

Country of Destination: /

Sample received date: Nov 30, 2012

Testing period: From Nov 30, 2012 to Dec 06, 2012

Test Requested:

(1) In accordance with Regulation (EC) No 1935/2004, to determine the submitted sample:

- Extractable heavy metal (Lead, Cadmium, Chromium, Nickel, Copper, Cobalt and Antimony)

- Chromium, Nickel content test

(2) As specified by client, to determine the Cadmium(Cd) content in the submitted sample in accordance with Regulation (EU) No 494/2011.

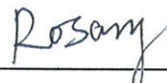
Results:

Please refer to next pages.

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)*****

Signed for and on behalf of
Shenzhen AOV Testing Technology Co., Ltd

Tested by:


Luo Jun, Rosario
Project Leader

Reviewed by:


Dong Yuan Jia, Lu
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Approved by:


Lv Jie Hua, Jeewah
Technical Director

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Test Results:
(1-1) Extractable heavy metal (Lead, Cadmium, Chromium, Nickel, Copper, Cobalt and Antimony)

Test method: With reference to EN 1388-2:1995 by ICP

Item	Unit	Limit	Result
			1
Extractable Lead (Pb) 4% acetic acid, 23°C 24h	mg/dm ²	0.01	<0.01
Extractable Cadmium (Cd) 4% acetic acid, 23°C 24h	mg/dm ²	0.005	<0.001
Extractable Chrome (Cr) 4% acetic acid, 23°C 24h	mg/dm ²	0.4	<0.01
Extractable Nickel (Ni) 4% acetic acid, 23°C 24h	mg/dm ²	0.1	<0.01
Extractable Copper (Cu) 4% acetic acid, 23°C 24h	mg/dm ²	0.5	<0.01
Extractable Antimony (Sb) 4% acetic acid, 23°C 24h	mg/dm ²	Absent	Absent
Extractable Cobalt (Co) 4% acetic acid, 23°C 24h	mg/dm ²	Absent	Absent

(1-2) Chromium, Nickel content

Test method: With reference to EPA 6010C:2007, ICP-OES

Item	Unit	MDL	Result
			1
Chromium (Cr) content	%	0.0002	0.011
Nickel (Ni) content	%	0.0002	0.008

Note:

- mg/dm² denotes milligrams per square decimeter of surface area
- 0.1%=1000ppm

(2) Cadmium(Cd) content

Pretreatment Method: EN1122: 2001

Measuring Instrument: ICP-OES

Item	Unit	MDL	Acceptable Limit	Result	Result	Result	Result	Result
				1	2	3	4	5
Cadmium	mg/kg	2	100	N.D.	N.D.	N.D.	N.D.	N.D.

Note:

- Specimens, which requested to determine Cadmium Content, have been dissolved completely.
- mg/kg=ppm
- N.D.=not detected(<MDL)
- MDL=Method Detection Limit

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Specimen Description:

No.	Specimen name
1	Tin
2	Silver coating
3	White coating
4	Red coating
5	Blue coating

Note:

- Photo is included

Photograph of Sample



Circular tin

End of Report