



# Test Report

Report No : TST2017110680-1EN Date: Nov.28, 2017

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Applicant : DONGGUAN NEW HYDROGEN INDUSTRIAL CO.,LTD  
Address : 1ST FLOOR, 19TH, HETOULING, SHITANPU COMMUNITY, TANGXIA TOWN,  
DONGGUAN CITY, CHINA

The following sample(s) was /were submitted and identified on behalf of the clients as :

**Sample Name** : Hydrogen cosmetics box  
**Sample Model** : W-03  
**Brand** : BIOSPECTRUM COSMETICS  
**Sample Received Date** : Nov.24, 2016  
**Testing Period** : Nov.24, 2016 To Nov.28, 2016  
**Test Requested** : In accordance with (EC) No 1935/2004 on materials and articles intended to come into contact with food and COMMISSION REGULATION (EU)No.10/2011 on plastic materials and articles intended to come into contact with food.  
-Overall migration  
-Soluble heavy metal  
**Test Method** : Please refer to next page(s).  
**Test Result** : Please refer to next page(s).

Signed for and on behalf of

**Andy Zheng**  
**Technical Director**

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## Test Result(s):

### 1、Overall migration

Method: Refer to EN1186:2002

Material No.	Description	Location
1	Plastic	Shell
2	Magnesium alloy	Shell

Material No.	Test Condition	Limit (mg/dm <sup>2</sup> )	Result (mg/dm <sup>2</sup> )	Conclusion
1	Distilled water, 100℃,24 hours	10	<3	PASS
	10% Ethanol(v/v),100℃,24 hours	10	<3	PASS
	3% Acetic acid(w/v), 100℃,24 hours	10	<3	PASS
	50% Ethanol(v/v),100℃,24 hours	10	<3	PASS
	Vegetable oil, 100℃,24 hours	10	<3	PASS
	Poly(2,6-diphenyl-p-phenylene oxide), 100℃,24 hours	10	<3	PASS
	95% Ethanol(v/v),100℃,24 hours	10	<3	PASS
	Isooctane, 100℃,24 hours	10	<3	PASS
	95% Ethanol(v/v),100℃,24 hours	10	<3	PASS
	Isooctane, 100℃,24 hours	10	<3	PASS
2	Distilled water, 100℃,24 hours	10	<3	PASS
	10% Ethanol(v/v),100℃,24 hours	10	<3	PASS
	3% Acetic acid(w/v), 100℃,24 hours	10	<3	PASS
	50% Ethanol(v/v),100℃,24 hours	10	<3	PASS
	Vegetable oil, 100℃,24 hours	10	<3	PASS
	Poly(2,6-diphenyl-p-phenylene oxide), 100℃,24 hours	10	<3	PASS
	95% Ethanol(v/v),100℃,24 hours	10	<3	PASS
	Isooctane, 100℃,24 hours	10	<3	PASS
	95% Ethanol(v/v),100℃,24 hours	10	<3	PASS
	Isooctane, 100℃,24 hours	10	<3	PASS

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- Note:**
1. mg/dm<sup>2</sup> = milligram per square decimetre of surface area of material or article.
  2. mg/dm<sup>2</sup> = milligrams of the constituents released per kilogram of foodstuff.
  3. The requirement in accordance with the Commission Regulation (EU) No 10/2011.

## 2、Soluble heavy metal

Method: Preparation in 3% Acetic acid(w/v) at 100℃,24 hours, was analyzed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES).

Elements	Barium (Ba)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lithium (Li)	Manganese (Mn)	Zinc (Zn)	Conclusion
Limit (mg/dm <sup>2</sup> )	1	0.05	5	48	0.6	0.6	25	
Material No.	Result (mg/dm <sup>2</sup> )							
1	<0.1	<0.05	<0.5	<1	<0.1	<0.05	<1	PASS
2	<0.1	<0.05	<0.5	<1	<0.1	<0.05	<1	PASS

- Note:**
1. mg/dm<sup>2</sup> = milligrams of the constituents released per kilogram of foodstuff.
  2. The requirement in accordance with the Commission Regulation (EU) No 10/2011.

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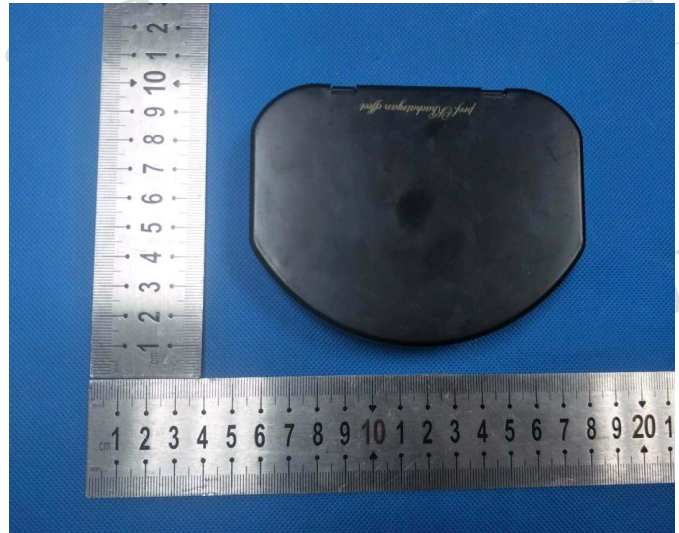
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## Sample photo:



\*\*\* End of Report \*\*\*

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