

Report No.	FX03- 2082855
Contract No.	FX048-1658-02
Total Pages	6

# TEST REPORT



Sample:

ABS

Type:

POLYTOP 鼎塑™ S2855BK

Manufacturer:

JUNYE

Client:

SHENZHEN JUNYE COMPOSITE  
MATERIALS CO., LTD



Ceprei Testing Center for Pollution Control  
of Electronic Information Product  
Ministry of Information Industry



## Test Report

**Client:** SHENZHEN JUNYE COMPOSITE MATERIALS CO., LTD  
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Tel: 0755-27558636 , Fax:0755-27558656, E-mail: jyplastics@163.com

**Contact:** Ma Xingjiang

**Date Submitted:** May 22, 2008

**Test Period:** May 22,2008 to May 23,2008

**Sample Name:** ABS

**Test Item:** Test the Contents of Pb, Cd, Hg, Cr(VI), PBBs, PBDEs in the Sample.

**Test Requirement:** 2002/95/EC,2005/618/EC  
Restriction of Hazardous Substances (RoHS)


**Test Methods:** IEC 62321, Ed. 1 Electrotechnical Products – Determination of levels of six regulated substances

**Test Ambient:** Temperature : 23~25°C, Relative Humidity : 58~60%RH, Air Pressure : 101kPa

**Test Instruments:** 1) UV-Vis Spectrophotometer UV-mini 1240 / No.7434080002  
2) Inductively Coupled Plasma Optical Emission Spectrometry  
Varian 710-ES / No.7434040008  
3) Gas Chromatograph-mass Spectrometer System Trace MS 2000 /  
No.410101015  
4) Electronic Balance BP190S / No.011701146

**Test Result:** Refer to Page 4 to Page 5

**Conclusion:** Pass

  
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Tested by :

Supervised by :

Approved by :

Date:

2008.5.28

Date:

2008.5.28

Date:

2008.5.28

## 1. SAMPLE DESCRIPTION

Table 1 Sample Information

Sample	Sample No.	Description	Photo
ABS	HS0317	A Bag of Black Plastic, Type: POLYTOP 鼎塑™ S2855BK	Fig.1



Fig.1 The Representative View of Sample

## 2. TEST METHOD AND TECHNICAL REQUIREMENT

Table 2 Test Method and Technical Requirement

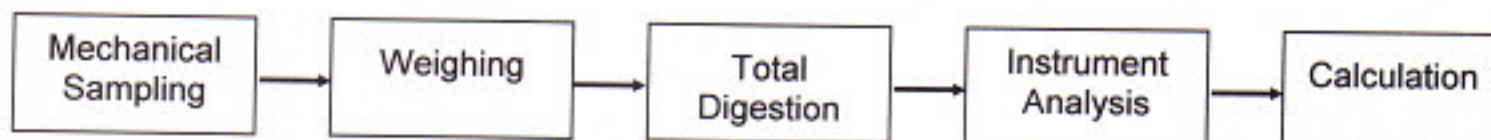
Serial No.	Test Items	Test Methods	RoHS MCV (mg/kg)	Instruments
1	Lead (Pb)	IEC 62321, Ed. 1. Section 8	1000	ICP-OES
2	Cadmium (Cd)	IEC 62321, Ed. 1. Section 8	100	ICP-OES
3	Mercury(Hg)	IEC 62321, Ed. 1. Section 7	1000	ICP-OES
4	Hexavalent Chromium[Cr(VI)]	IEC 62321, Ed. 1. Annex C	1000	UV-VIS
5	PBBs	IEC 62321, Ed. 1. Annex A	1000	GC-MS
6	PBDEs	IEC 62321, Ed. 1. Annex A	1000	GC-MS

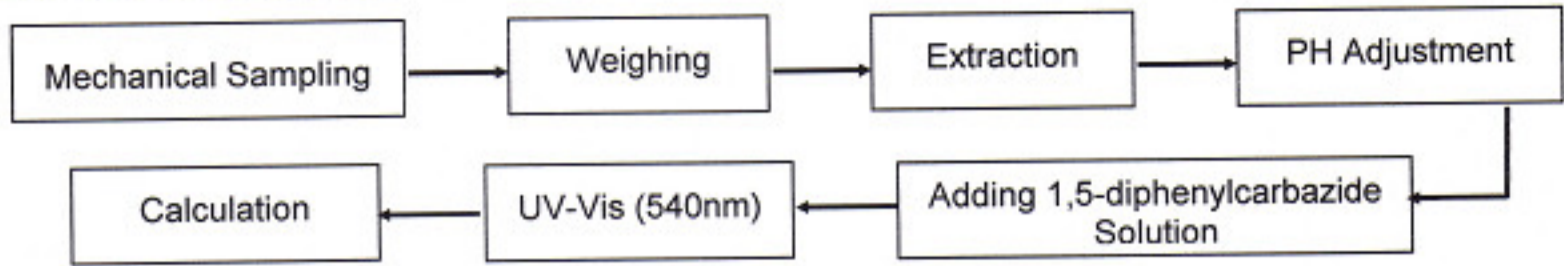
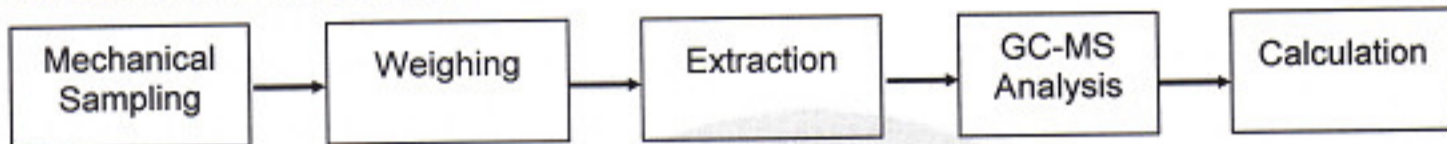
Remark :

"MCV" means "Maximum Concentration Value".

## 3. TEST FLOW

### 3.1 Test Flow of Pb ,Cd, Hg



**3.2 Test Flow of Cr(VI)****3.3 Test Flow of PBBs and PBDEs****4. TEST RESULT****4.1 Test Results of Metal Elements****Table 3 Test Results of Metal Elements**

Serial No.	Test Items	MDL (mg/kg)	Test Results (mg/kg)
1	Lead (Pb)	2	ND
2	Cadmium (Cd)	2	ND
3	Mercury(Hg)	2	ND
4	Hexavalent Chromium[Cr(VI)]	2	ND

Remark :

- 1) "ND" means "Not Detected";
- 2) "MDL" means "Method Detection Lower Limit".

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## 4.2 Test Results of PBBs and PBDEs

Table 4 Test Results of PBBs and PBDEs

Serial No.	Test Items	MDL (mg/kg)	Test Results (mg/kg)
1	Monobromobiphenyl	1	ND
2	Dibromobiphenyl	1	ND
3	Tribromobiphenyl	1	ND
4	Tetrabromobiphenyl	1	ND
5	Pentabromobiphenyl	1	ND
6	Hexabromobiphenyl	1	ND
7	Heptabromobiphenyl	2	ND
8	Octabromobiphenyl	2	ND
9	Nonabromobiphenyl	2	ND
10	Decabromobiphenyl	5	ND
11	<b>Total PBBs (Polybrominated biphenyls)</b>	<b>10</b>	<b>ND</b>
12	Monobromobiphenyl Ether	1	ND
13	Dibromobiphenyl Ether	1	ND
14	Tribromobiphenyl Ether	1	ND
15	Tetrabromobiphenyl Ether	1	ND
16	Pentabromobiphenyl Ether	1	ND
17	Hexabromobiphenyl Ether	1	ND
18	Heptabromobiphenyl Ether	2	ND
19	Octabromobiphenyl Ether	2	ND
20	Nonabromobiphenyl Ether	2	ND
21	Decabromobiphenyl Ether	5	ND
22	<b>Total PBDEs (Polybrominated Biphenyl Ethers)</b>	<b>10</b>	<b>ND</b>
23	<b>Total of Mono to Nonabrominated Biphenyl Ether</b>	<b>/</b>	<b>ND</b>

Remark:

- 1) "ND" means "Not Detected";
- 2) Decabromobiphenyl Ether has been exempt from RoHS;
- 3) "MDL" means "Method Detection Lower Limit".

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## NOTICE

1. The report is invalid without the official seal of test organization.
2. The duplicated report is invalid without stamping the original official seal of test organization.
3. The report is invalid without all signatures of the persons in charge of testing, supervising and approval.
4. The report is invalid if being altered.
5. Generally, for commission test we are responsible for the test results of submitted samples.
6. Any objections to the report could be raised to Research and Analysis Center of Reliability or the headquarters of Ceprei directly.

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