



上海出入境检验检疫局  
机电产品检测技术中心  
Machinery & Electrical Products Testing Center  
Shanghai Entry-Exit Inspection and Quarantine Bureau



# 测试报告 TEST REPORT

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申请单位: 中国石化镇海炼化分公司  
Applicant: SINOPEC Zhenhai Refining & Chemical Company  
地址: 浙江省宁波市镇海区蛟川街道(俞范)  
Address: Jiaochuan Street, Zhenhai District, Ningbo City, Zhejiang Province, China

样品名称 Sample Name: 聚丙烯树脂 Polypropylene resin

型号 Model No.: PPH-T03  
批号 Item No.: 20180320E-1  
材料 Material: 聚丙烯(均聚) PP

样品接收日期: 2018年3月28日  
Date Received: Mar. 28, 2018  
测试日期: 2018年3月28日~2018年4月8日  
Test Period: Mar. 28, 2018 - Apr. 8, 2018  
测试方法: 详参内页  
Test Method: Please refer to next pages

测试结果: 详参内页  
Test Results: Please refer to next pages

评定: 送检样品中铅(Pb)、汞(Hg)、六价铬(Cr<sup>6+</sup>)、镉(Cd)、多溴联苯(PBBs)和多溴联苯醚(PBDEs)的含量符合欧盟指令 2011/65/EU 的要求。

Conclusion: The contents of lead (Pb), mercury (Hg), hexavalent chromium (Cr<sup>6+</sup>), cadmium (Cd), polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) in the submitted samples conformed to requirements of the Directive 2011/65/EU of the European Parliament and of the Council.

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上海出入境检验检疫局机电产品检测技术中心 SMEC

戴雪伟 DAI XUEWEI

说明: 本试验报告仅对试验样品有效。未经本实验室书面批准不得部分复制本试验报告。

NOTE: ALL TEST RESULTS ARE ONLY VALID FOR THE SAMPLES BEING TESTED. THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE TESTING LABORATORY.

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## 测试方法 Test Method:

测试项目 Tested Item	测试方法 Pretreatment Method	测试仪器 Measured Equipment
镉(Cd)	IEC62321-3-1: 2013; IEC62321-5: 2013	ICP-OES
铅(Pb)	IEC62321-3-1: 2013; IEC62321-5: 2013	ICP-OES
汞(Hg)	IEC62321-3-1: 2013; IEC62321-4: 2013	ICP-OES
六价铬(Cr(VI))	IEC 62321:2008	UV-Vis
多溴联苯(PBBs)	IEC 62321-6:2015	GC-MS
多溴联苯醚 (PBDEs)	IEC 62321-6:2015	GC-MS

## 测试结果 Test result(单位/Unit: mg/kg):

测试项目 Test Item	测试结果 Result	检出限 MDL	限量 Limit
铅(Pb)	ND	2	1000
镉(Cd)	ND	2	100
汞(Hg)	ND	2	1000
六价铬(Cr(VI))	ND	2	1000
<b>多溴联苯 Polybrominated Biphenyls (PBBs)</b>			
1. 一溴联苯 Monobromobiphenyls	ND	5	/
2. 二溴联苯 Dibromobiphenyls	ND	5	/
3. 三溴联苯 Tribromobiphenyls	ND	5	/
4. 四溴联苯 Tetrabromobiphenyls	ND	5	/
5. 五溴联苯 Pentabromobiphenyls	ND	5	/
6. 六溴联苯 Hexabromobiphenyls	ND	5	/
7. 七溴联苯 Heptabromobiphenyls	ND	5	/
8. 八溴联苯 Octabromobiphenyls	ND	5	/
9. 九溴联苯 Nonabromobiphenyls	ND	5	/
10. 十溴联苯 Decabromobiphenyls	ND	5	/
一至十溴联苯之和 Sum of PBBs	ND	--	1000

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测试项目 Test Item	测试结果 Result	检出限 MDL	限量 Limit
<b>多溴联苯醚 Polybrominated Diphenyl Ethers (PBDEs)</b>			
1. 一溴联苯醚 Monobromodiphenyl ethers	ND	5	/
2. 二溴联苯醚 Dibromodiphenyl ethers	ND	5	/
3. 三溴联苯醚 Tribromodiphenyl ethers	ND	5	/
4. 四溴联苯醚 Tetrabromodiphenyl ethers	ND	5	/
5. 五溴联苯醚 Pentabromodiphenyl ethers	ND	5	/
6. 六溴联苯醚 Hexabromodiphenyl ethers	ND	5	/
7. 七溴联苯醚 Heptabromodiphenyl ethers	ND	5	/
8. 八溴联苯醚 Octabromodiphenyl ethers	ND	5	/
9. 九溴联苯醚 Nonabromodiphenyl ethers	ND	5	/
10. 十溴联苯醚 Decabromodiphenyl ethers	ND	5	/
一至十溴联苯醚之和 Sum of PBDEs	ND	--	1000

**备注 Note:**

- 1) mg/kg = ppm
- 2) ND = 未检出,即检测结果低于方法检出限 Not detected, which will be showed if below MDL(Method Detection Limit)
- 3) -- = 不适用 Not applicable
- 4) 参考国际标准方法定量铅、镉、汞时,样品被完全消解。

The sample had been dissolved totally when tested for Lead, Cadmium, Mercury





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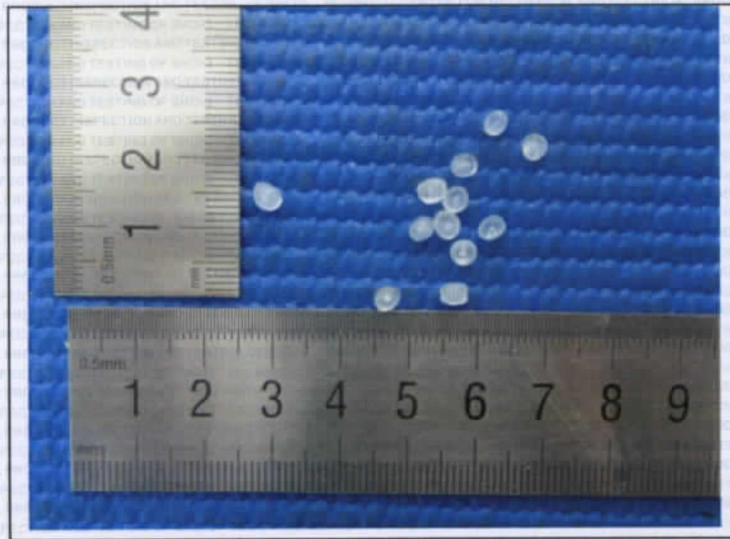


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## 样品照片 Sample Photo



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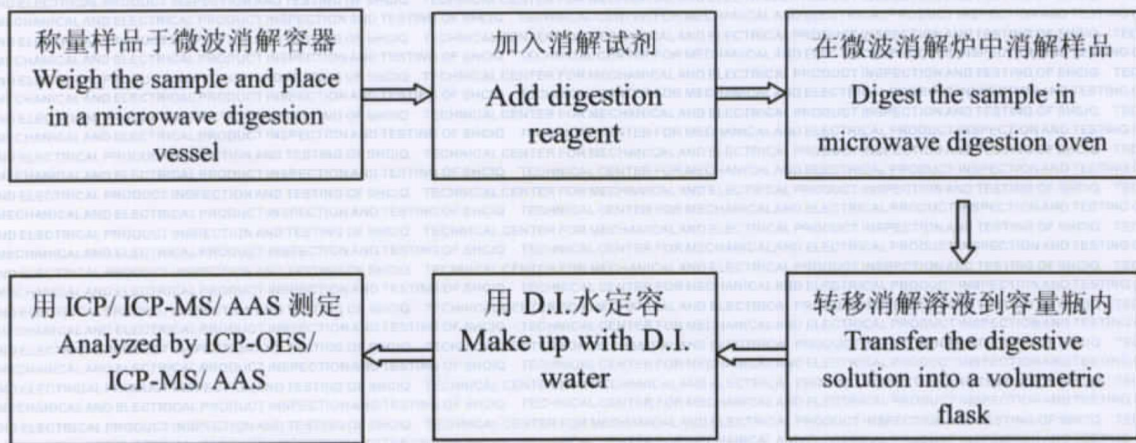


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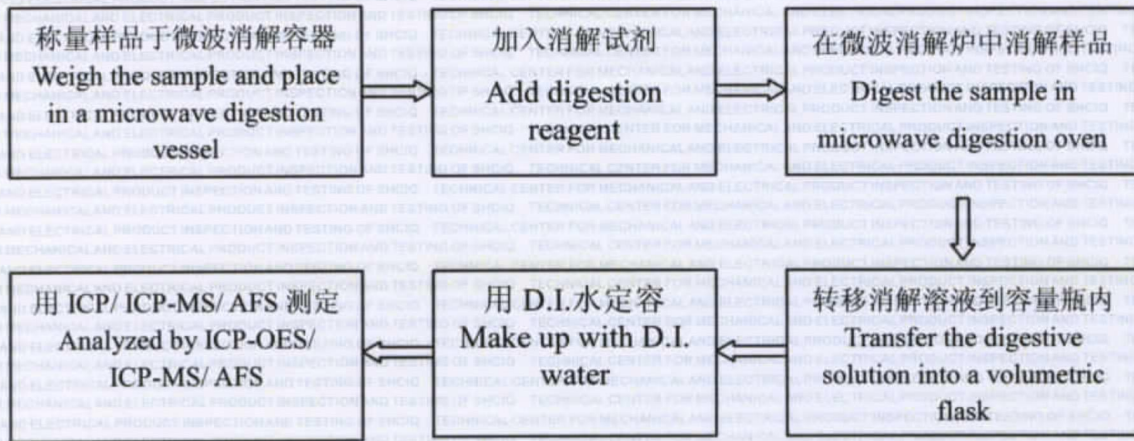
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## 测试流程 Test Process:

### 1) 测定 Pb/ Cd 含量. To determine the content of Pb/Cd



### 2) 测定 Hg 含量. To determine the content of Hg



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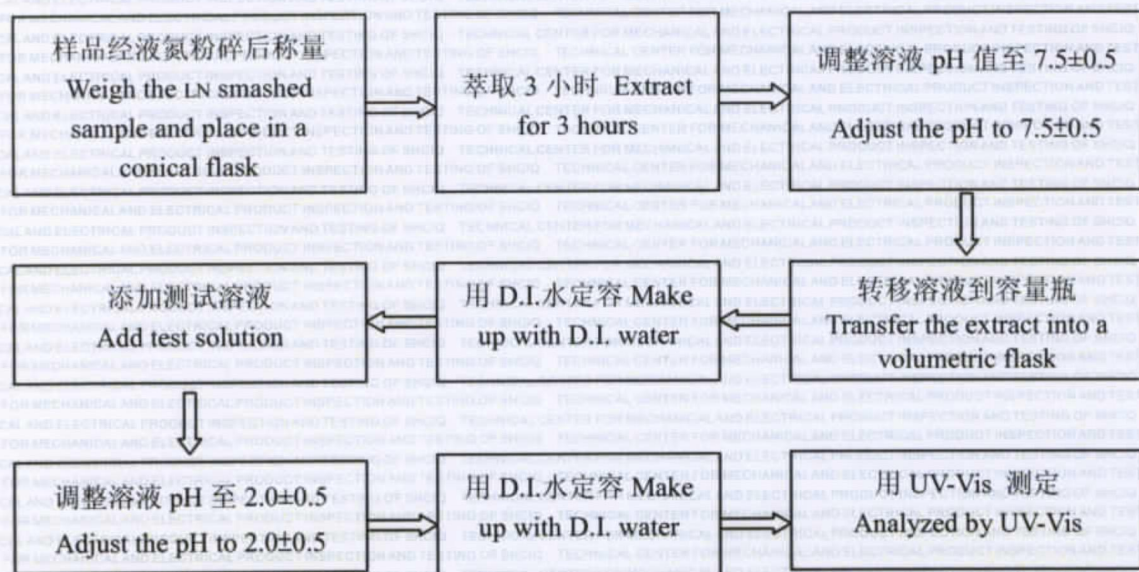




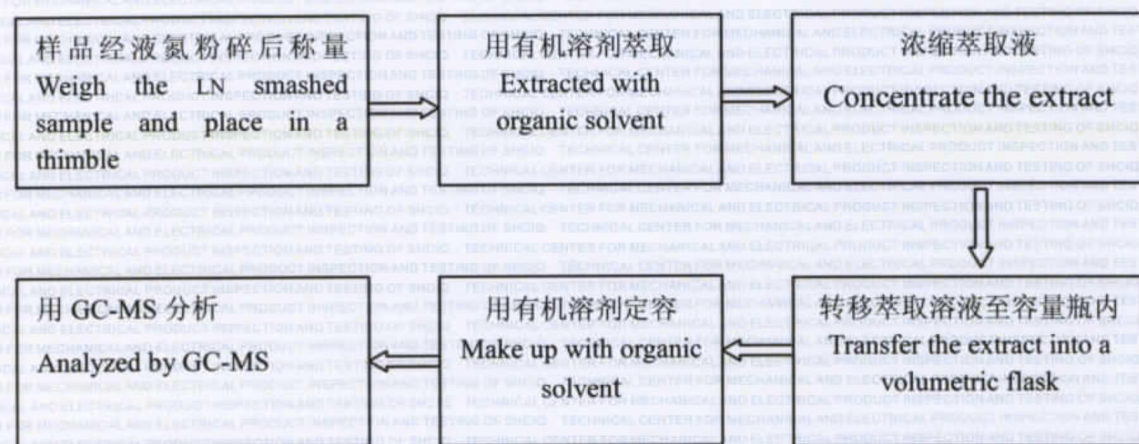
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### 3) 测定 Cr<sup>6+</sup> 含量. To determine the content of Cr<sup>6+</sup>



### 4) 测定 PBBs/ PBDEs 含量. To determine the contents of PBBs/ PBDEs



\*\*\*\*\*报告结束 End of Report\*\*\*\*\*