

测试报告

No. NGBML1906484902

日期: 2019年12月24日

第1页,共9页

无锡兴达泡塑新材料股份有限公司
无锡市锡山区东港镇锡港南路88号

以下测试之样品是由申请者所提供及确认: 非六溴黑色阻燃料

SGS工作编号: NBIN1912014456PC - NB
参考编号: SUIN1912009953SC
样品接收日期: 2019年12月18日
测试周期: 2019年12月18日 - 2019年12月24日
测试要求: 根据客户要求测试
测试方法: 请参见下一页
测试结果: 请参见下一页

通标标准技术服务有限公司宁波分公司
授权签名

肖玲艳

Iris Xiao 肖玲艳
批准签署人



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SGS-CSTC Technical Services Co., Ltd.
Ningbo Branch Chemical Laboratory

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中国·浙江·宁波市国家高新区凌云路1177号凌云产业园4号楼西1-5层 邮编: 315040 t HL (86-574)89070271 t ML (86-574)89070242 e sgs.china@sgs.com

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第2页,共9页

测试结果:

测试样品描述:

样品编号	SGS样品ID	描述
SN1	NGB19-064849.001	黑色固体颗粒

备注:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

RoHS 指令2011/65/EU附录II的修正指令(EU) 2015/863

测试方法: 参考IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015和IEC 62321-8:2017, 采用ICP-OES,UV-Vis和GC-MS进行分析.

测试项目	限值	单位	MDL	001
镉(Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	ND
汞(Hg)	1000	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯(PBBs)之和	1000	mg/kg	-	ND
一溴联苯	-	mg/kg	5	ND
二溴联苯	-	mg/kg	5	ND
三溴联苯	-	mg/kg	5	ND
四溴联苯	-	mg/kg	5	ND
五溴联苯	-	mg/kg	5	ND
六溴联苯	-	mg/kg	5	ND
七溴联苯	-	mg/kg	5	ND
八溴联苯	-	mg/kg	5	ND
九溴联苯	-	mg/kg	5	ND
十溴联苯	-	mg/kg	5	ND
多溴二苯醚之和(PBDEs)	1000	mg/kg	-	ND
一溴二苯醚	-	mg/kg	5	ND
二溴二苯醚	-	mg/kg	5	ND
三溴二苯醚	-	mg/kg	5	ND
四溴二苯醚	-	mg/kg	5	ND
五溴二苯醚	-	mg/kg	5	ND
六溴二苯醚	-	mg/kg	5	ND



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第3页,共9页

测试项目	限值	单位	MDL	001
七溴二苯醚	-	mg/kg	5	ND
八溴二苯醚	-	mg/kg	5	ND
九溴二苯醚	-	mg/kg	5	ND
十溴二苯醚	-	mg/kg	5	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯(BBP)	1000	mg/kg	50	ND
邻苯二甲酸二(2-乙基己基)酯(DEHP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯(DIBP)	1000	mg/kg	50	ND

备注:

(1) 最大允许极限值引用自RoHS指令(EU) 2015/863。

IEC 62321系列等同于 EN 62321 系列

https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25

(2) 2021年7月22号开始, DEHP, BBP, DBP 和 DIBP的限制适用于医疗器械, 包括体外医疗器械, 监控仪表, 包括工业监测和控制仪器。

(3) DEHP, BBP, DBP 和 DIBP的限制不适用于玩具产品, 因为No.1907/2006附录XVII第51条已对玩具产品中的DEHP, BBP, DBP 和 DIBP含量进行了限制。

六溴环十二烷 (HBCDD/HBCD)

测试方法: 参照US EPA 3550C: 2007, 采用GC-MS进行分析。

测试项目	单位	MDL	001
六溴环十二烷 (HBCDD/HBCD)	mg/kg	10	ND

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



SGS-CTC (Shanghai) Technical Services Co., Ltd.
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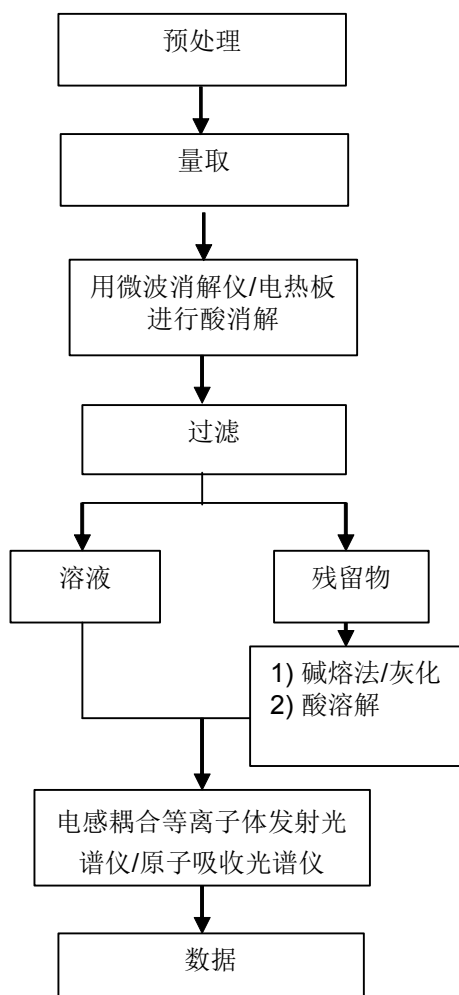
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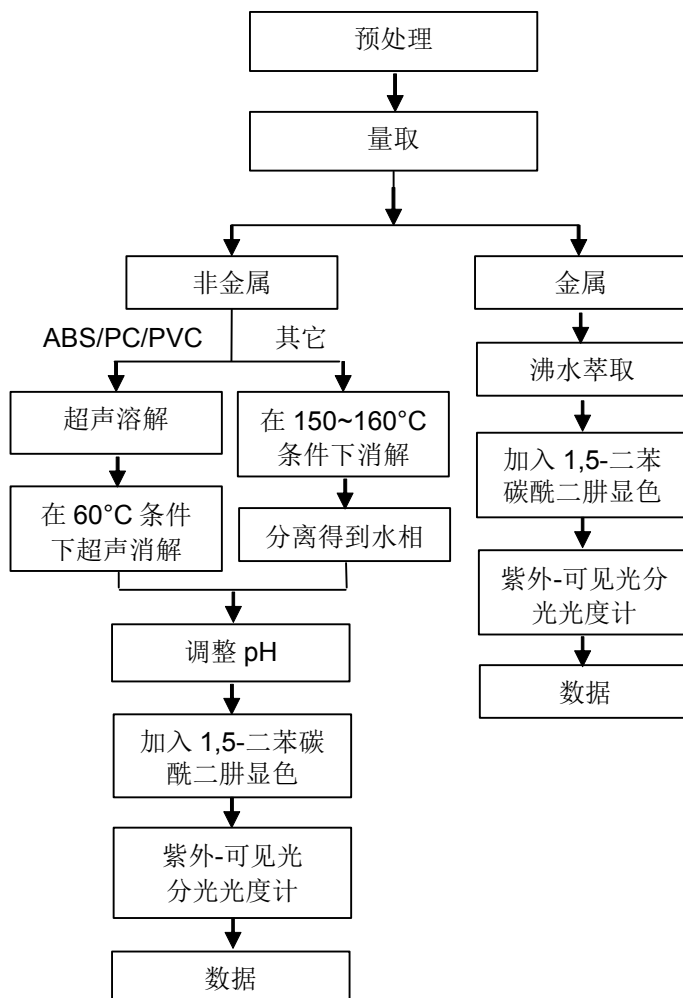
e sgs.china@sgs.com

Pb /Cd / Hg 测试流程图

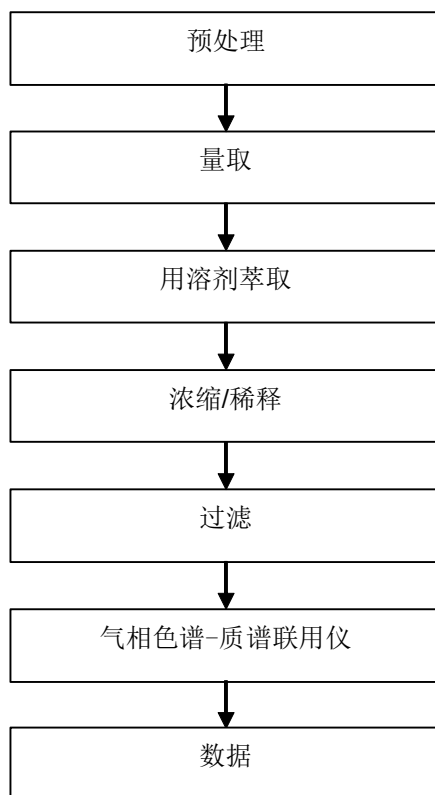
1)样品按照下述流程被完全消解



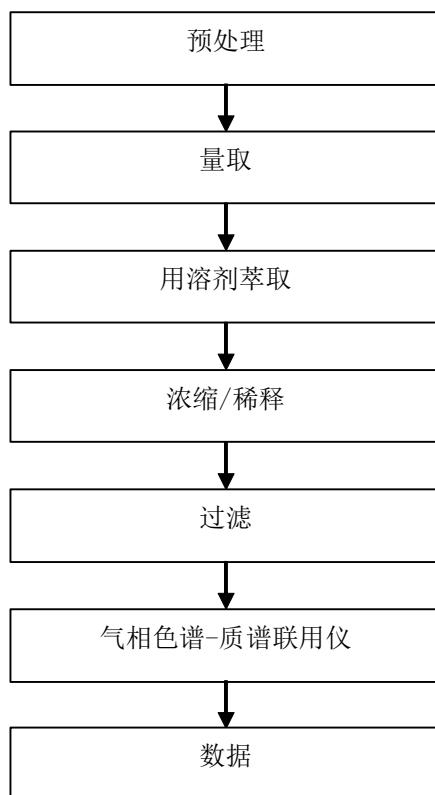
六价铬测试流程图



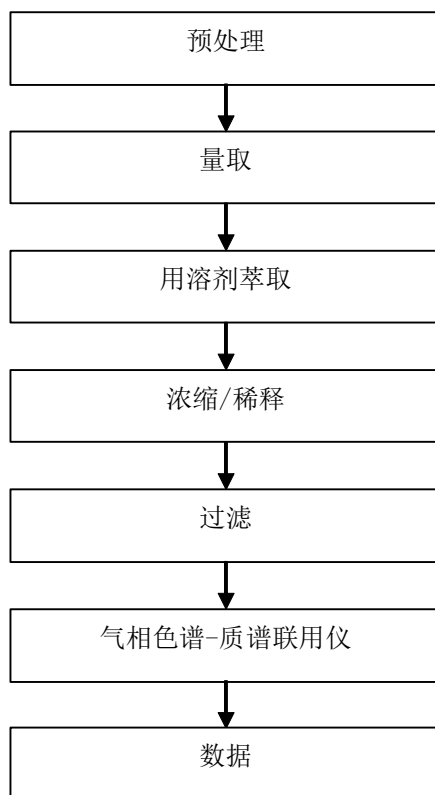
PBBs/PBDEs 测试流程图



Phthalates 测试流程图



HBCDD 测试流程图



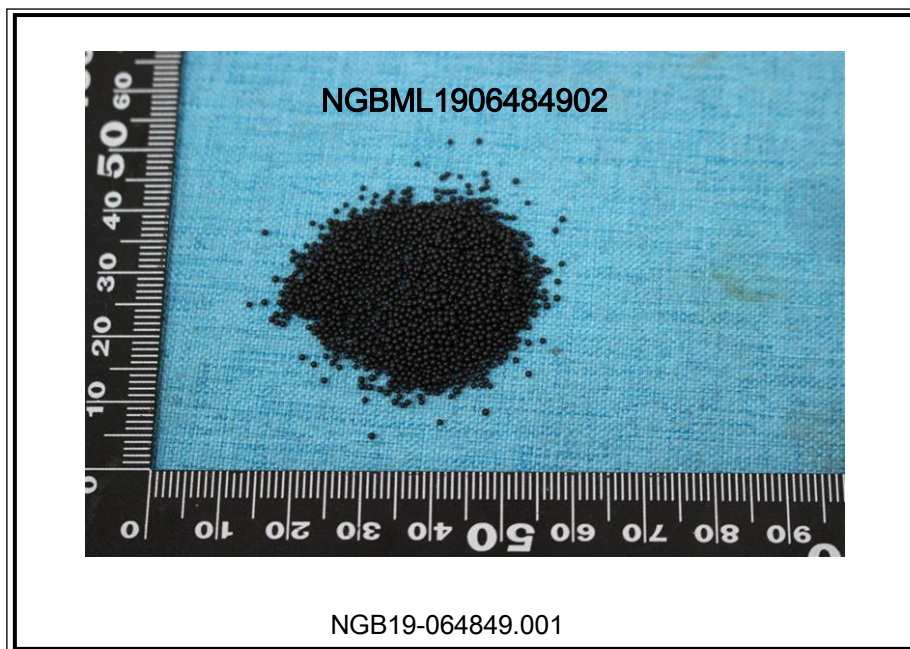
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第9页,共9页

样品照片:



此照片仅限于随SGS正本报告使用

*** 报告完 ***



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