

No. SHAEC2106506202

日期: 2021年04月15日

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丹阳恩科健身器械有限公司 江苏丹阳市访仙镇工业园66号

以下测试之样品是由申请者所提供及确认:拉力带

SGS工作编号: SP21-010135 - SH

样品接收日期: 2021年04月09日

测试周期: 2021年04月09日 - 2021年04月15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

基于所送样品进行的测试,镉、铅、汞、六价铬、多溴联苯(PBBs)、多溴二苯 结论:

醚(PBDEs)、邻苯二甲酸酯(如邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁苄

酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP))的测 试结果符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值要

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Jenny Lan兰柳珍 批准签署人





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测试报告 No. SHAEC2106506202 日期: 2021年04月15日 第2页,共11页

测试结果:

测试样品描述:

样品编号 SGS样品ID 描述 SN1 黄色固体 SHA21-065062.001

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+AMD1:2017 , 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。

<u>测试项目</u>	<u>限值</u>	<u>单位</u>	<u>MDL</u>	<u>001</u>
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
多溴联苯之和(PBBs)	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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测试项目	<u>限值</u>	<u>单位</u>	<u>MDL</u>	<u>001</u>
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:12586 37.25

(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。

邻苯二甲酸酯

测试方法: 参照EN 14372: 2004的方法测定, 采用GC-MS进行分析.

<u>测试项目</u>	CAS NO.	<u>单位</u>	<u>MDL</u>	<u>001</u>
邻苯二甲酸二异丁酯(DIBP)	84-69-5	%	0.003	ND
邻苯二甲酸二(2-甲氧基乙基)酯(DMEP)	117-82-8	%	0.003	ND
1,2-苯二酸-二(支链与直链)戊基酯	84777-06-0	%	0.01	ND
1,2-苯二甲酸, 二(C6-10)烷基酯	68515-51-5	%	0.01	ND
1,2-苯二甲酸,混合二己二辛二癸酯,其中邻苯二甲酸二己	68648-93-1	%	0.005	ND
酯含量≥0.3%				
邻苯二甲酸二环已酯 (DCHP)	84-61-7	%	0.003	ND
邻苯二甲酸二甲酯 (DMP)	131-11-3	%	0.003	ND
邻苯二甲酸二乙酯 (DEP)	84-66-2	%	0.003	ND
邻苯二甲酸二丙酯 (DPrP)	131-16-8	%	0.003	ND
邻苯二甲酸二苯酯 (DPhP)	84-62-8	%	0.003	ND
邻苯二甲酸二苄酯(DBzP)	523-31-9	%	0.003	ND
邻苯二甲酸二壬酯 (DNP)	84-76-4	%	0.003	ND
邻苯二甲酸二异辛酯 (DiOP)	27554-26-3	%	0.01	ND

多环芳香烃(PAHs)

测试方法: 参考AfPS GS 2014:01 PAK 方法测试, 采用 GC-MS进行分析.



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测试项目	<u>单位</u>	MDL	<u>001</u>
苯并(a)芘 (BaP)	mg/kg	0.1	ND
苯并(e)芘 (BeP)	mg/kg	0.1	ND
苯并(a)蒽 (BaA)	mg/kg	0.1	ND
苯并(b)荧蒽 (BbF)	mg/kg	0.1	ND
苯并(j)荧蒽 (BjF)	mg/kg	0.1	ND
苯并 (k) 荧蒽 (BkF)	mg/kg	0.1	ND
崫 (CHR)	mg/kg	0.1	ND
二苯并(a,h)蒽(DBA)	mg/kg	0.1	ND
苯并(g,h,i)菲(二萘嵌苯) (BPE)	mg/kg	0.1	ND
茚苯(1,2,3-c,d)芘 (IPY)	mg/kg	0.1	ND
苊烯(ANY)	mg/kg	0.1	ND
苊(萘嵌戊烷) (ANA)	mg/kg	0.1	ND
芴 (FLU)	mg/kg	0.1	ND
菲 (PHE)	mg/kg	0.1	ND
芘 (PYR)	mg/kg	0.1	ND
蒽 (ANT)	mg/kg	0.1	ND
荧蒽 (FLT)	mg/kg	0.1	ND
7项多环芳香烃总和[苊烯(ANY),苊(萘嵌戊烷) (ANA),芴 (FLU),菲 (PHE),芘	mg/kg	-	ND
(PYR),蔥 (ANT),荧蒽 (FLT)]			
萘 (NAP)	mg/kg	0.1	ND
18项多环芳香烃总和	mg/kg	-	ND



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AfPS(德国产品安全委员会):GS 认证对多环芳香烃的要求

参数	1 类	2 类		3 类	
	设计意图为放入口中的材料或者玩具上与皮肤接触的材料(接触时间大于30秒)。	未在1类规定中涵盖的材料,且可能与皮肤接触时间大于30秒的材料(长时间接触皮肤)或频繁接触皮肤,		未在1和2类规定中涵盖的材料,且可能与皮肤接触的少于30秒的材料(短期接触皮肤)	
		2009/48/EC 中适用的玩 具	产品安全 法涉及的 其他产品	2009/48/EC中适 用的玩具	产品安全 法涉及的 其他产品
苯并(a)芘 (BaP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(e)芘 (BeP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(a)蒽 (BaA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(b)荧蒽 (BbF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(j)荧蒽 (BjF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并 (k)荧蒽mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
屈(CHR) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
二苯并(a,h)蒽 (DBA)mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(g,h,i)花(二萘嵌苯) (BPE)n mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
茚苯(1,2,3-c,d)芘 (IPY) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
	<1(总和)	< 5 (总 和)	<10(总 和)	<20 (总和)	< 50 (总 和)
萘 (NAP) mg/kg	< 1	< 2		< 10	
18 PAH之和	<1	< 5	< 10	< 20	< 50

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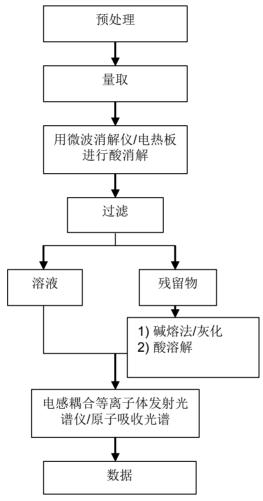
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附件

元素(IEC62321) 测试流程图

1)样品按照下述流程被完全消解





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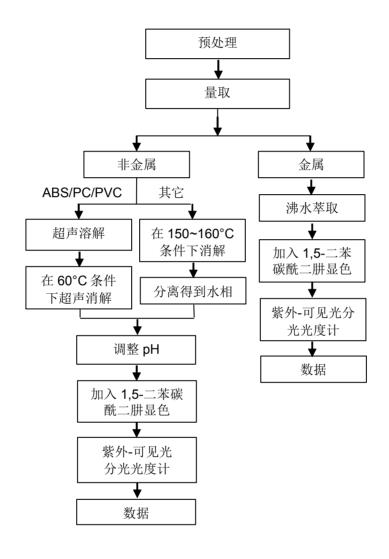
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附件

六价铬测试流程图





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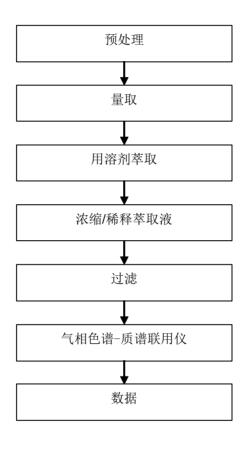
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附件

PBBs/PBDEs 测试流程图





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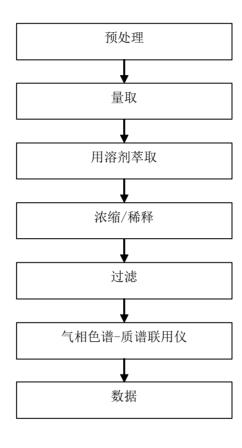
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Phthalates 测试流程图





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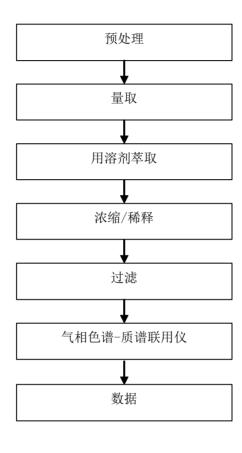
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附件

PAHs 测试流程图





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