测试报 **No. SHAEC2126456502** 日期: **2021** 年 **8** 月 **8** 日 第 **1** 页,共 **6**

斯卡兰石油（重庆）有限公司

中国重庆市渝北区龙溪街道红石路 88 号美景华联大厦 10-10

以下测试之样品是由申请者所提供及确认 : 斯卡兰钢锰特精铝拉延油

SGS 工作编号 :	**SP21-039201 - SH**
样品接收日期 :	**2021** 年 **8** 月 **5** 日
测试周期 :	**2021** 年 **8** 月 **5** 日 **- 2021** 年 **8** 月 **8** 日
测试要求 :	根据客户要求测试
测试方法 :	请参见下一
测试结果 :	页请参见
	下一页
结论 :	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-**乙基已基**)**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** 的限值要求。

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Dora Hu 胡敏
批准签署
人

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测试结果 :

测试样品描述:

样品编号	SGS 样品 ID	描述
SN1	**SHA21-264565.001**	无色透明液体

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** ，**IEC62321-6:2015** 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

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三溴二苯醚	-	mg/kg	5	ND
四溴二苯醚	-	mg/kg	5	ND

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测试项目	限值	单位	MDL	001
五溴二苯醚	-	mg/kg	5	ND
六溴二苯醚	-	mg/kg	5	ND
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

http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101::::FSP_ORG_ID,FSP_LANG_ID:125863 7,25

(2) 2015 年 6 月 4 号发表在欧盟官方杂志（官方公报）上的 RoHS 指令(EU) 2015/863 附录 II 限值中还包括邻苯二甲酸酯 BBP，DBP，DEHP 和 DIBP。新的指令限制了电子电器产品
的每一个均一材质中邻苯二甲酸酯含量不得超过 0.1%。

(3) 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。

(4) DEHP, BBP, DBP 和 DIBP 的限制不适用于 2021 年 7 月 22 日前投放市场的电缆及电子电气产品中用于维修、重复利用、功能更新及容量提升的备用配件以及 2021 年 7 月 22 日前投放市场的医疗器械，包括体外医疗器械，监控仪表，包括工业监测和控制仪器。

(5) DEHP、BBP 和 DBP 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 和 DBP 含量进行了限制。

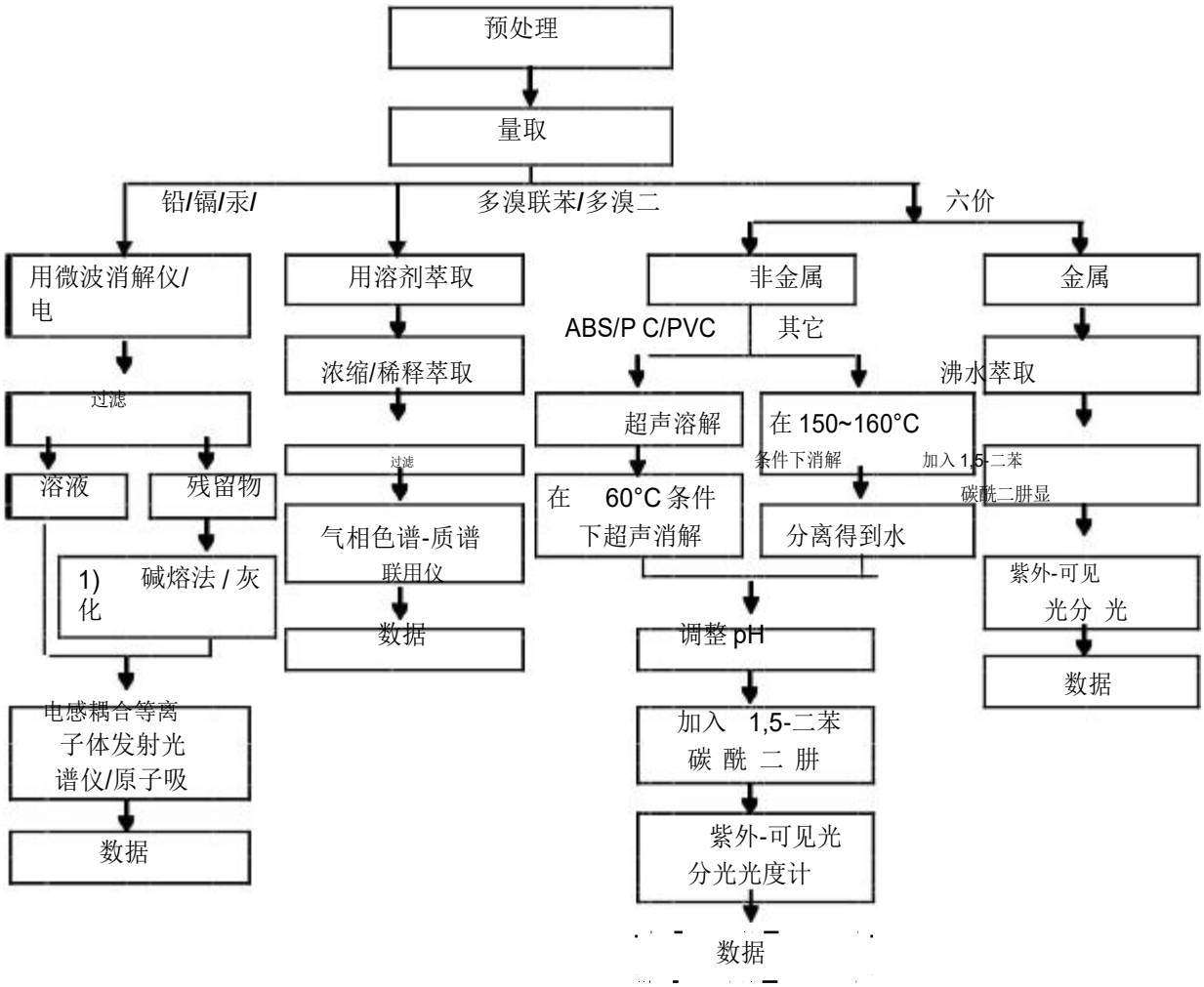
检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的，仅供内部参考。

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附件

Pb/Cd/Hg/Cr^{6+}/PBBs/PBDEs 测试流程图

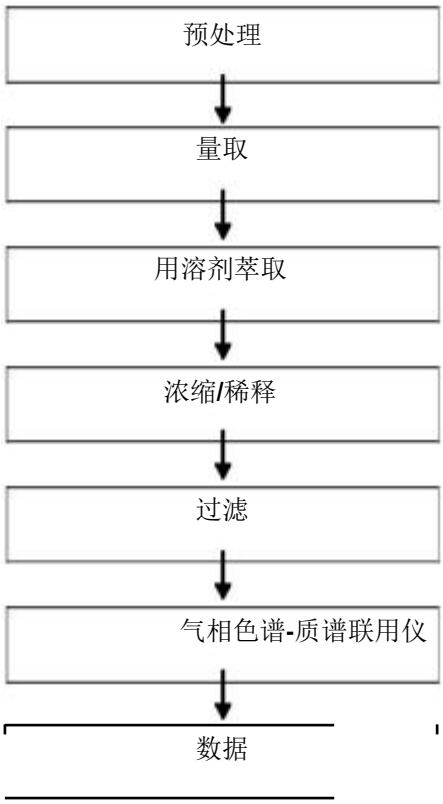
1)样品按照下述流程被完全消解（六价铬和多溴联苯/多溴二苯醚测试除外）。



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Phthalates 测试流程图



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