测试报

No. SHAEC1926456502 **日期: 2020 年 9 月 28 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：	**SP19-039201 - SH**
样品接收日期：	**2020 年 9 月 25 日**
测试周期：	**2020 年 9 月 25 日 - 2020 年 9 月 28 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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Testing Center-Chemical Laboratory

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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	SHA19-264565.001	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 2019 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。

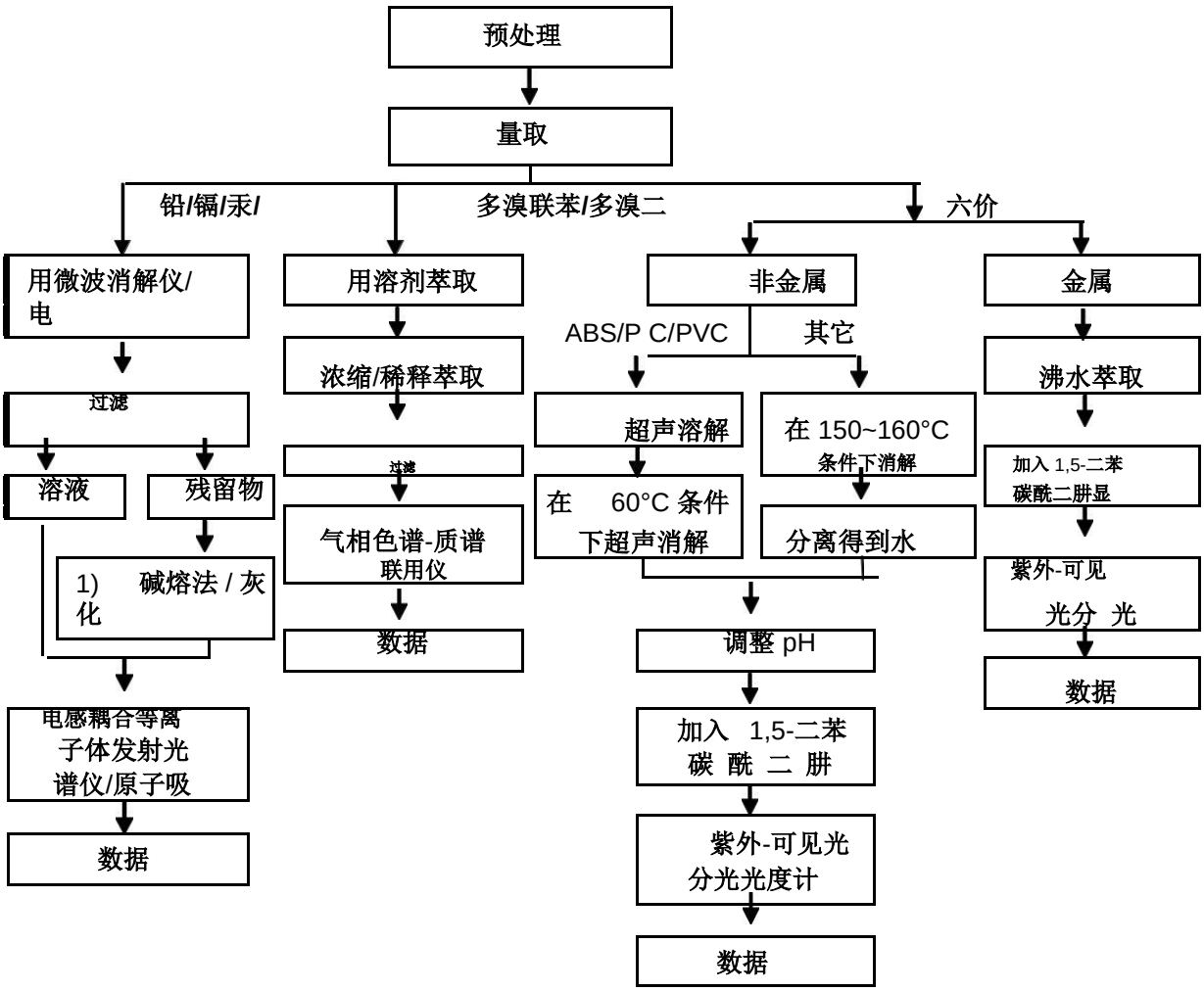
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附件

Pb/Cd/Hg/Cr^{6+}/PBBs/PBDEs 测试流程图

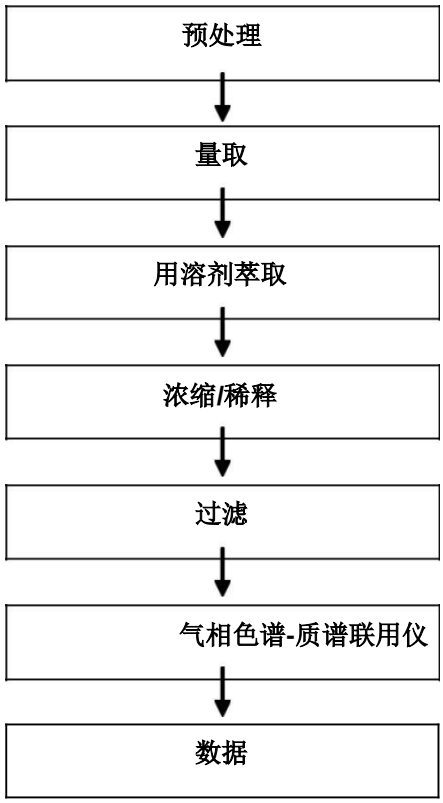
1)样品按照下述流程被完全消解（六价铬和多溴联苯/多溴二苯醚测试除外）。



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Phthalates 测试流程图



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