

No. SHAEC2101362802

日期: 2021年01月26日 第1页,共11页

江苏万源新材料股份有限公司 镇江市丹徒区上党镇上会工业园兴业路

以下测试之样品是由申请者所提供及确认:铜制件

SGS工作编号: SP21-001937 - SH

样品接收日期: 2021年01月20日

2021年01月20日 - 2021年01月26日 测试周期:

根据客户要求, 测试要求:

(i) 基于欧洲化学品管理署截止2020年3月3日公布的供授权审议的高关注物质候选

清单和潜在的的高关注物质咨询清单(根据欧盟第1907/2006号REACH法 规),对60种无机的高关注物质(SVHC)及另外11种有机的金属高关注物

质(SVHC)进行筛分测试。

测试结果: 请参见下一页

总结:

根据具体的范围和筛分测试,所提交样品中SVHC测试结果≤ 0.1% (w/w)。 通过

通标标准技术服务(上海)有限公司 授权签名

Lucy Yu俞君屏 批准签署人





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备注:

1. 本报告所涉及的关于特定高关注物质的化学分析是根据欧洲化学品管理署发布的下列文件,利用现有的分析技术完成的。

http://echa.europa.eu/web/guest/candidate-list-table

这些文件清单由欧洲化学品管理署评估,将来可能会有变化。

2. REACH法规义务:

2.1关于物品:

告知:

欧盟第1907/2006 (EC)号法规第33条规定,含有满足第57条中的标准并根据第59条第一款被确定且质量分数大于0.1%的物质的物品的所有供应商应向物品接受者提供其可获取的充足信息,以使物品使用安全,这些信息至少包括含有的候选清单中物质的名称。

通报:

根据欧盟第1907/2006(EC)号法规,如果满足以下两个条件,如果物质符合第57条中的标准并根据第59条第一款被确定,物品的任何欧洲制造商或进口商应根据第7条第4款向欧盟化学品管理署进行通报: (a) 候选清单中的物质在物品中的总含量超过1吨/年/生产商或进口商; (b) 候选清单中的物质在物品中的总含量以质量分数计超过0.1%的浓度。

SGS采用欧盟法院对REACH物品定义的裁定,除非另有说明。详细的解释请见下列网址: http://www.sgs.com/-/media/global/documents/technical-documents/technical-bulletins/sgs-crs-position-statement-on-svhc-in-articles-a4-en-16-06.pdf?la=en

2.2 关于材料:

报告中的测试结果是基于测试样品。如样品是均一材质,当其构成成品时,此结果不能代表成品中的 **SVHC**浓度。如样品为均一材质等比例合测,这些材质也可能来自不同的物品。

如果样品是一种物质或混合物,并且直接出口到欧盟,客户有责任遵守欧盟第1907/2006号REACH 法规第31条供应链信息传递的义务和附件十四中的授权高关注物质授权的责任。

2.3 关于物质和配制品:

如果样品中高关注物质的浓度超过0.1% (w/w)和/或欧盟第1272/2008号CLP法规及其修订中设定的特殊浓度限值,建议客户根据欧盟第1907/2006号REACH法规对有关高关注物质准备安全数据表(SDS)以符合供应链通信的义务,如

- -根据欧盟第1272/2008号CLP法规被列为有害物质。
- -根据欧盟第1272/2008号CLP法规被列为有害混合物,而当中物质的浓度大于或等于欧盟第1272/2008号CLP法规列出的浓度限值;或
- -根据欧盟第1272/2008号CLP法规并未列为有害混合物,但包含:
- (a) 对人类健康或环境有害的物质,而在固体或液体混合物(即非气体混合物)中其浓度≥1%(w/w)或在气体混合物中占体积≥0.2%,或
- (b) PBT或vPvB物质,在固体或液体混合物(即非气体混合物)中个别浓度≥0.1%(w/w),或
- (c) 授权审议的高关注物质候选清单上的物质(除上述以外的原因)在个别非气体混合物中的浓度 ≥0.1%(w/w),或



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(SVHC)

- (d) 设有欧洲范围内工作场所接触限值的物质。
- 3. 如果样品中SVHC的测试结果超过报告限,建议客户进一步定量分析检测含有SVHC的组分并且得到SVHC物质的准确浓度。

测试样品:

测试样品描述:

样品 SGS 描述

编号 样品ID

SN1 SHA21-013628.001 铜色金属

测试方法:

SGS内部方法-SHTC-CHEM-SOP-97-T, 采用 ICP-OES、UV-VIS分析。



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(SVHC)

测试结果: (SVHC候选清单中的高关注物质)

| 批 | 物质名称 | CAS No. | 001 浓度 (%) | RL (%) |
|---|-----------------|---------|---------------|--------|
| | 所有测试的候选清单中的SVHC | - | ND | - |



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注释:

- (1) 上表仅显示检出的SVHC, 低于RL的SVHC没有列出。所有测试的SVHC请参见附录。
- (2) RL = 报告限(当测试结果≥RL时显示数据。RL不同于法规限值。)

ND = 未检出(< RL), ND针对SVHC物质。

(3) * 测试结果是由选定的元素的结果并基于最坏的情况计算得出;详细信息请参见SGS REACH网站: http://www.sgs.com/en/Consumer-Goods-Retail/Toys-and-Juvenile-Products/Toys/REACH/Managementof-SVHC.aspx

硼化合物的结果由ICP-OES测试的总硼(液体,粉末,膏体类样品)和水提取(其他样品)的硼元素结果 换算得出。

RL = 0.005% 是针对元素 (例如钴、砷、铅、铬 (VI)、铝、锆、硼、锶、锌、锑、钛、钡和镉),除了钼 的RL= 0.0005%, 硼的RL= 0.0025%(仅对四氟硼酸铅)。

除非另有说明,此报告结果仅对测试的样品负责。本报告未经本公司书面许可,不可部分复制。 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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(SVHC) 附录

所有测试的SVHC:

| 批次 | 序号 | 物质名称 | CAS No. | RL (%) |
|-----|----|---------------------------|--|--------|
| I | 1 | 二氯化钴* | 7646-79-9 | 0.005 |
| I | 2 | 五氧化二砷* | 1303-28-2 | 0.005 |
| I | 3 | 三氧化二砷* | 1327-53-3 | 0.005 |
| I | 4 | 砷酸氢铅* | 7784-40-9 | 0.005 |
| I | 5 | 重铬酸钠* | 7789-12-0, 10588-01-9 | 0.005 |
| I | 6 | 三乙基砷酸酯* | 15606-95-8 | 0.005 |
| II | 7 | 钼铬红(C.I.颜料红104)* | 12656-85-8 | 0.005 |
| II | 8 | 铬酸铅* | 7758-97-6 | 0.005 |
| II | 9 | 铅铬黄(C.l.颜料黄34)* | 1344-37-2 | 0.005 |
| III | 10 | 重铬酸铵* | 7789-09-5 | 0.005 |
| III | 11 | 硼酸* | - | 0.005 |
| III | 12 | 无水四硼酸钠* | 1303-96-4, 1330-43-4, 12179-04-3 | 0.005 |
| III | 13 | 铬酸钾* | 7789-00-6 | 0.005 |
| III | 14 | 重铬酸钾* | 7778-50-9 | 0.005 |
| III | 15 | 铬酸钠* | 7775-11-3 | 0.005 |
| III | 16 | 水合硼酸钠* | 12267-73-1 | 0.005 |
| IV | 17 | 铬酸, 铬酸及重铬酸低聚物, 重铬酸* | - | 0.005 |
| IV | 18 | 三氧化铬* | 1333-82-0 | 0.005 |
| IV | 19 | 碳酸钴* | 513-79-1 | 0.005 |



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(SVHC) 附录

所有测试的SVHC:

| 批次 | 序号 | 物质名称 | CAS No. | RL (%) |
|------|----|---------------|------------|--------|
| IV | 20 | 乙酸钴* | 71-48-7 | 0.005 |
| IV | 21 | 硝酸钴* | 10141-05-6 | 0.005 |
| IV | 22 | 硫酸钴* | 10124-43-3 | 0.005 |
| V | 23 | 铬酸锶* | 7789-06-2 | 0.005 |
| VI | 24 | 硅酸铝耐火陶瓷纤维* | - | 0.005 |
| VI | 25 | 砷酸* | 7778-39-4 | 0.005 |
| VI | 26 | 砷酸钙* | 7778-44-1 | 0.005 |
| VI | 27 | 铬酸铬* | 24613-89-6 | 0.005 |
| VI | 28 | 叠氮化铅* | 13424-46-9 | 0.005 |
| VI | 29 | 苦味酸铅* | 6477-64-1 | 0.005 |
| VI | 30 | 史蒂芬酸铅* | 15245-44-0 | 0.005 |
| VI | 31 | 氢氧化铬酸锌* | 49663-84-5 | 0.005 |
| VI | 32 | 氢氧化铬酸锌钾* | 11103-86-9 | 0.005 |
| VI | 33 | 砷酸铅* | 3687-31-8 | 0.005 |
| VI | 34 | 氧化锆硅酸铝耐火陶瓷纤维* | - | 0.005 |
| VII | 35 | 三氧化二硼* | 1303-86-2 | 0.005 |
| VII | 36 | 甲基磺酸铅* | 17570-76-2 | 0.005 |
| VIII | 37 | 二盐基邻苯二甲酸铅* | 69011-06-9 | 0.005 |
| VIII | 38 | 碱式乙酸铅* | 51404-69-4 | 0.005 |
| VIII | 39 | 双(十八酸基)二氧代三铅* | 12578-12-0 | 0.005 |
| VIII | 40 | C16-18-脂肪酸铅* | 91031-62-8 | 0.005 |



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(SVHC) 附录

所有测试的SVHC:

| 批次 | 序号 | 物质名称 | CAS No. | RL (%) |
|------|----|----------|------------|--------|
| VIII | 41 | 四氟硼酸铅* | 13814-96-5 | 0.005 |
| VIII | 42 | 氨基氰铅盐* | 20837-86-9 | 0.005 |
| VIII | 43 | 硝酸铅* | 10099-74-8 | 0.005 |
| VIII | 44 | 一氧化铅* | 1317-36-8 | 0.005 |
| VIII | 45 | 碱式硫酸铅* | 12036-76-9 | 0.005 |
| VIII | 46 | 四氧化三铅* | 1314-41-6 | 0.005 |
| VIII | 47 | 钛酸铅* | 12060-00-3 | 0.005 |
| VIII | 48 | 钛酸铅锆* | 12626-81-2 | 0.005 |
| VIII | 49 | 硫酸四氧化五铅* | 12065-90-6 | 0.005 |
| VIII | 50 | 铅锑黄* | 8012-00-8 | 0.005 |
| VIII | 51 | 掺杂铅的硅酸钡* | 68784-75-8 | 0.005 |
| VIII | 52 | 硅酸铅* | 11120-22-2 | 0.005 |
| VIII | 53 | 二碱式亚硫酸铅* | 62229-08-7 | 0.005 |
| VIII | 54 | 四乙基铅* | 78-00-2 | 0.005 |
| VIII | 55 | 硫酸三氧化四铅* | 12202-17-4 | 0.005 |
| VIII | 56 | 碱式碳酸铅* | 1319-46-6 | 0.005 |
| VIII | 57 | 二碱式亚磷酸铅* | 12141-20-7 | 0.005 |
| IX | 58 | 氧化镉* | 1306-19-0 | 0.005 |
| IX | 59 | 镉* | 7440-43-9 | 0.005 |
| Х | 60 | 硫化镉* | 1306-23-6 | 0.005 |
| Х | 61 | 乙酸铅* | 301-04-2 | 0.005 |



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(SVHC)

附录

所有测试的SVHC:

| 批次 | 序号 | 物质名称 | CAS No. | RL (%) |
|-------|----|---------|---------------------------|--------|
| ΧI | 62 | 氯化镉* | 10108-64-2 | 0.005 |
| ΧI | 63 | 水合过硼酸钠* | - | 0.005 |
| ΧI | 64 | 过硼酸钠* | 7632-04-4 | 0.005 |
| XII | 65 | 氟化镉* | 7790-79-6 | 0.005 |
| XII | 66 | 硫酸镉* | 10124-36-4,31119-53 -6 | 0.005 |
| XVIII | 67 | 硝酸镉* | 10325-94-7 | 0.005 |
| XVIII | 68 | 碳酸镉* | 513-78-0 | 0.005 |
| XVIII | 69 | 氢氧化镉* | 21041-95-2 | 0.005 |
| XIX | 70 | 氧化硼钠* | 12008-41-2 | 0.005 |
| XIX | 71 | 铅* | 7439-92-1 | 0.005 |



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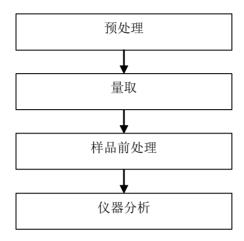
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SVHC 测试流程图





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