

测试报告

No. NGBEC1900836102

日期: 2019年03月19日 第1页,共5页

宁波市大石头五金机电商贸有限公司
浙江省宁波市余姚市天德商都D58号

以下测试之样品是由申请者所提供及确认: 不锈钢紧固件

SGS工作编号: NP19-000724 - NB
 样品接收日期: 2019年03月11日
 测试周期: 2019年03月11日 - 2019年03月19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

测试结果概要:

| 测试要求 | 结论 |
|--|----|
| 欧盟委员会指令1935/2004 (2004年10月27日) - 感官(气味和味道)测试 (样品001) | 符合 |
| 欧洲委员会决议CM/Res(2013)9 - 重金属特定迁移量 (样品001) | 符合 |

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授权签名



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Ningbo Branch 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 | 材质 (客户提供) |
|------|------------------|--------|--------------|
| SN1 | NGB19-008361.001 | 银色金属螺丝 | 不锈钢 |

备注:

- (1) mg/dm² = 毫克每平方米
- (2) mg/kg = 毫克每千克
- (3) °C = 摄氏度
- (4) < = 小于
- (5) MDL = 方法检测限
- (6) ND = 未检出 (< MDL)

欧盟委员会指令1935/2004 (2004年10月27日) - 感官(气味和味道)测试 (样品001)

测试方法: 参考DIN 10955: 2004,
测试媒介: 蒸馏水
测试人员数: 6

| 测试项目 | 限值 | 001 |
|-----------------|-----|-----|
| 测试时间 (hr) | - | 24 |
| 温度(°C) | - | 70 |
| 感官(气味) 测试 (分数制) | 2.5 | 0 |
| 感官(味道)测试 (分数制) | 2.5 | 0 |

备注:

分数评价:

- 0: 与原始气味和味道无差别
- 1: 与原始气味和味道极小差别
- 2: 与原始气味和味道微弱的可察觉的差别
- 3: 与原始气味和味道明显可察觉的差别
- 4: 与原始气味和味道极大的差别

欧洲委员会决议CM/Res(2013)9 - 重金属特定迁移量 (样品001)

测试方法: 参考 EN 13130-1:2004方法测试, 采用ICP-MS进行分析。

样品 001:

模拟液: 人工自来水

迁移测试条件: 70 °C 24.0 hr(s)



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迁移测试条件: 70 °C 24.0 hr(s)

| 测试项目 | 限值 | 单位 | MDL | <u>1st + 2nd 迁移结果</u> |
|-------|--------|-------|--------|-----------------------|
| 铝(Al) | 35 | mg/kg | 0.2 | ND |
| 锑(Sb) | 0.28 | mg/kg | 0.02 | ND |
| 铬(Cr) | 1.75 | mg/kg | 0.1 | ND |
| 钴(Co) | 0.14 | mg/kg | 0.01 | ND |
| 铜(Cu) | 28 | mg/kg | 0.1 | 0.2 |
| 铁(Fe) | 280 | mg/kg | 0.25 | 1.89 |
| 锰(Mn) | 12.6 | mg/kg | 0.25 | 0.52 |
| 钼(Mo) | 0.84 | mg/kg | 0.02 | ND |
| 镍(Ni) | 0.98 | mg/kg | 0.05 | ND |
| 银(Ag) | 0.56 | mg/kg | 0.03 | ND |
| 锡(Sn) | 700 | mg/kg | 5 | ND |
| 钒(V) | 0.07 | mg/kg | 0.005 | ND |
| 锌(Zn) | 35 | mg/kg | 1 | ND |
| 砷(As) | 0.014 | mg/kg | 0.001 | ND |
| 钡(Ba) | 8.4 | mg/kg | 0.25 | ND |
| 铍(Be) | 0.07 | mg/kg | 0.005 | ND |
| 镉(Cd) | 0.035 | mg/kg | 0.002 | ND |
| 铅(Pb) | 0.07 | mg/kg | 0.005 | ND |
| 锂(Li) | 0.336 | mg/kg | 0.02 | ND |
| 汞(Hg) | 0.021 | mg/kg | 0.002 | ND |
| 铊(Tl) | 0.0007 | mg/kg | 0.0001 | ND |

| 测试项目 | 限值 | 单位 | MDL | <u>3rd 迁移结果</u> |
|-------|-------|-------|-------|-----------------|
| 铝(Al) | 5 | mg/kg | 0.2 | ND |
| 锑(Sb) | 0.04 | mg/kg | 0.02 | ND |
| 铬(Cr) | 0.25 | mg/kg | 0.1 | ND |
| 钴(Co) | 0.02 | mg/kg | 0.01 | ND |
| 铜(Cu) | 4 | mg/kg | 0.1 | ND |
| 铁(Fe) | 40 | mg/kg | 0.25 | ND |
| 锰(Mn) | 1.8 | mg/kg | 0.25 | ND |
| 钼(Mo) | 0.12 | mg/kg | 0.02 | ND |
| 镍(Ni) | 0.14 | mg/kg | 0.05 | ND |
| 银(Ag) | 0.08 | mg/kg | 0.03 | ND |
| 锡(Sn) | 100 | mg/kg | 5 | ND |
| 钒(V) | 0.01 | mg/kg | 0.005 | ND |
| 锌(Zn) | 5 | mg/kg | 1 | ND |
| 砷(As) | 0.002 | mg/kg | 0.001 | ND |
| 钡(Ba) | 1.2 | mg/kg | 0.25 | ND |
| 铍(Be) | 0.01 | mg/kg | 0.005 | ND |
| 镉(Cd) | 0.005 | mg/kg | 0.002 | ND |



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| 测试项目 | 限值 | 单位 | MDL | 3rd 迁移结果 |
|-------|--------|-------|--------|----------|
| 铅(Pb) | 0.01 | mg/kg | 0.005 | ND |
| 锂(Li) | 0.048 | mg/kg | 0.02 | ND |
| 汞(Hg) | 0.003 | mg/kg | 0.002 | ND |
| 铊(Tl) | 0.0001 | mg/kg | 0.0001 | ND |

备注:

- (1) 测试条件和模拟液由客户指定。
- (2) 依据欧洲理事会 CM/Res(2013)9要求, 对于重复性使用样品的限量要求是第三次迁移的结果应符合该法规的特殊迁移限量(SRL)且第一次与第二次迁移结果之和不应超过7倍的法规特殊迁移限量(SRL)
- (3) 表面积与使用体积之比是6.0 dm²/kg.
- (4) 未考虑酸性食物是否符合。

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。



样品照片:



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*** 报告完 ***

