

## 检测报告

编号: TAOEC26008631402

日期: 2026 年 08 月 20 日

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客户名称: 青岛微感智通科技有限公司

客户地址: 山东省青岛市崂山区科苑纬一路 1 号创新园二期 F 栋 8 层 803 房间

样品名称: 3D TOF CAMERA

测试基本型号: NYX320

测试扩展型号: NYX310, DS63, DS62

以上样品及信息由客户提供。

SGS 工作编号: QDP26-004324

样品接收时间: 2026 年 07 月 26 日

检测周期: 2026 年 07 月 26 日 ~ 2026 年 07 月 30 日

检测要求: 根据客户要求检测。

检测方法: 见后续页。

检测结果: 见后续页。

| 检测要求                                                                                               | 结论 |
|----------------------------------------------------------------------------------------------------|----|
| 欧盟法规(EC) No 1907/2006 REACH 附录 XVII 及其修正法案(EU) No 276/2010 第 20 条 - 有机锡的总锡筛选测试                     | 符合 |
| 欧盟决议(EC) No 1907/2006 REACH 附录 XVII 及其修正法案(EU) 2021/1199 第 50 条 - 多环芳香烃(PAHs)                      | 符合 |
| 欧盟法规(EC) No 1907/2006 REACH 附录 XVII 及其修正指令(EU) 2021/1297 第 68 条-C9-C14 PFCAs 及其盐和 C9-C14 PFCA 相关物质 | 符合 |

通标标准技术服务(青岛)有限公司  
授权签名

孙媛媛

Alice Sun 孙媛媛

批准签署人

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检测结果:

样品照片



NYX320

TAO26-0086314



NYX310

TAO26-0086314



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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

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DS62

TAO26-0086314



DS63

TAO26-0086314

此照片仅限于随 SGS 正本报告使用

## 检测部件外观描述:

| 样品序号 | 样品编号 | SGS 样品 ID               | 样品描述   |
|------|------|-------------------------|--------|
| SN1  | A3   | TAO26-0086314-0001.C003 | 黑色塑料线皮 |



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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

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| 样品序号 | 样品编号 | SGS 样品 ID               | 样品描述    |
|------|------|-------------------------|---------|
| SN2  | A5   | TAO26-0086314-0001.C005 | 黑色塑料热缩管 |
| SN3  | A6   | TAO26-0086314-0001.C006 | 黑色塑料线皮  |
| SN4  | A7   | TAO26-0086314-0001.C007 | 黑色橡胶    |
| SN5  | A8   | TAO26-0086314-0001.C008 | 黑色塑料    |
| SN6  | A11  | TAO26-0086314-0001.C011 | 黑色塑料    |
| SN7  | A12  | TAO26-0086314-0001.C012 | 白色胶     |
| SN8  | A13  | TAO26-0086314-0001.C013 | 黑色塑料热缩管 |
| SN9  | A15  | TAO26-0086314-0001.C015 | 绿色塑料线皮  |
| SN10 | A16  | TAO26-0086314-0001.C016 | 白色塑料线皮  |
| SN11 | A17  | TAO26-0086314-0001.C017 | 白色塑料线皮  |
| SN12 | A18  | TAO26-0086314-0001.C018 | 橙色塑料线皮  |
| SN13 | A19  | TAO26-0086314-0001.C019 | 紫色塑料线皮  |
| SN14 | A20  | TAO26-0086314-0001.C020 | 白色塑料线皮  |
| SN15 | A21  | TAO26-0086314-0001.C021 | 白色塑料线皮  |
| SN16 | A22  | TAO26-0086314-0001.C022 | 蓝色塑料线皮  |
| SN17 | A27  | TAO26-0086314-0001.C027 | 红色塑料线皮  |
| SN18 | A28  | TAO26-0086314-0001.C028 | 黑色塑料线皮  |
| SN19 | A29  | TAO26-0086314-0001.C029 | 黑色塑料线皮  |
| SN20 | A30  | TAO26-0086314-0001.C030 | 白色塑料线皮  |
| SN21 | A31  | TAO26-0086314-0001.C031 | 蓝色塑料线皮  |
| SN22 | A32  | TAO26-0086314-0001.C032 | 黄色塑料线皮  |
| SN23 | A33  | TAO26-0086314-0001.C033 | 绿色塑料线皮  |
| SN24 | A34  | TAO26-0086314-0001.C034 | 棕色塑料线皮  |
| SN25 | A36  | TAO26-0086314-0001.C036 | 黑色塑料热缩管 |
| SN26 | A37  | TAO26-0086314-0001.C037 | 白色塑料    |



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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

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| 样品序号 | 样品编号 | SGS 样品 ID               | 样品描述   |
|------|------|-------------------------|--------|
| SN27 | A44  | TAO26-0086314-0001.C044 | 黑色塑料   |
| SN28 | A45  | TAO26-0086314-0001.C045 | 白色塑料   |
| SN29 | A60  | TAO26-0086314-0001.C060 | 黑色塑料   |
| SN30 | A68  | TAO26-0086314-0001.C068 | 黑色 PCB |
| SN31 | A72  | TAO26-0086314-0001.C072 | 黄色 FPC |
| SN32 | A75  | TAO26-0086314-0001.C075 | 灰色固体   |
| SN33 | A76  | TAO26-0086314-0001.C076 | 黑色固体   |
| SN34 | A77  | TAO26-0086314-0001.C077 | 黑色橡胶   |
| SN35 | A89  | TAO26-0086314-0001.C089 | 黄色 PCB |
| SN36 | A90  | TAO26-0086314-0001.C090 | 灰色塑料   |
| SN37 | A93  | TAO26-0086314-0001.C093 | 黑色塑料   |
| SN38 | A98  | TAO26-0086314-0001.C098 | 黑色塑料   |
| SN39 | A106 | TAO26-0086314-0001.C106 | 黑色 PCB |
| SN40 | A109 | TAO26-0086314-0001.C109 | 灰色塑料   |
| SN41 | A111 | TAO26-0086314-0001.C111 | 黑色塑料   |
| SN42 | A116 | TAO26-0086314-0001.C116 | 黑色塑料   |
| SN43 | A122 | TAO26-0086314-0001.C122 | 绿色塑料线皮 |
| SN44 | A123 | TAO26-0086314-0001.C123 | 白色塑料线皮 |
| SN45 | A124 | TAO26-0086314-0001.C124 | 黄色塑料线皮 |
| SN46 | A125 | TAO26-0086314-0001.C125 | 白色塑料线皮 |
| SN47 | A126 | TAO26-0086314-0001.C126 | 紫色塑料线皮 |
| SN48 | A127 | TAO26-0086314-0001.C127 | 白色塑料线皮 |
| SN49 | A128 | TAO26-0086314-0001.C128 | 蓝色塑料线皮 |
| SN50 | A129 | TAO26-0086314-0001.C129 | 白色塑料线皮 |
| SN51 | A130 | TAO26-0086314-0001.C130 | 黑色塑料线皮 |



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| 样品序号 | 样品编号     | SGS 样品 ID               | 样品描述            |
|------|----------|-------------------------|-----------------|
| SN52 | A131     | TAO26-0086314-0001.C131 | 灰色塑料线皮          |
| SN53 | A132     | TAO26-0086314-0001.C132 | 黄色塑料线皮          |
| SN54 | A133     | TAO26-0086314-0001.C133 | 黑色塑料线皮          |
| SN55 | A134     | TAO26-0086314-0001.C134 | 白色塑料线皮          |
| SN56 | A135     | TAO26-0086314-0001.C135 | 蓝色塑料线皮          |
| SN57 | A136     | TAO26-0086314-0001.C136 | 红色塑料线皮          |
| SN58 | A137     | TAO26-0086314-0001.C137 | 绿色塑料线皮          |
| SN59 | B1       | TAO26-0086314-0002.C001 | 灰色塑料            |
| SN60 | B2       | TAO26-0086314-0002.C002 | 黑色塑料            |
| SN61 | B7       | TAO26-0086314-0002.C007 | 黑色塑料            |
| SN62 | B16      | TAO26-0086314-0002.C016 | 黑色 PCB          |
| SN63 | C1       | TAO26-0086314-0003.C001 | 黑色塑料            |
| SN64 | C15      | TAO26-0086314-0003.C015 | 黄色 PCB          |
| SN65 | C19      | TAO26-0086314-0003.C019 | 黑色 PCB          |
| SN66 | D1       | TAO26-0086314-0004.C001 | 红色涂层            |
| SN67 | D11      | TAO26-0086314-0004.C011 | 黄色 PCB          |
| SN68 | A3+A6    | TAO26-0086314-0005      | 黑色塑料线皮 + 黑色塑料线皮 |
| SN69 | A7+A8    | TAO26-0086314-0006      | 黑色橡胶 + 黑色塑料     |
| SN70 | A11+A12  | TAO26-0086314-0007      | 黑色塑料 + 白色胶      |
| SN71 | A68+A72  | TAO26-0086314-0008      | 黑色 PCB + 黄色 FPC |
| SN72 | A75+A76  | TAO26-0086314-0009      | 灰色固体 + 黑色固体     |
| SN73 | A77+A89  | TAO26-0086314-0010      | 黑色橡胶 + 黄色 PCB   |
| SN74 | A106+B16 | TAO26-0086314-0011      | 黑色 PCB + 黑色 PCB |
| SN75 | C15+C19  | TAO26-0086314-0012      | 黄色 PCB + 黑色 PCB |

备注:

(1) 1 mg/kg = 1 ppm = 0.0001%

(2) MDL= 方法检出限



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(3) ND = 未检出 (&lt; MDL)

(4) "-" = 未规定

**欧盟法规(EC) No 1907/2006 REACH 附录 XVII 及其修正法案(EU) No 276/2010 第 20 条 - 有机锡的总锡筛选测试**

检测方法: SGS 内部方法, 采用 EDXRF 进行分析。

| 检测项目    | 限值 | 单位    | MDL | A3   | A5   | A6   |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A7   | A8   | A11  |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A12  | A13  | A15  |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A16  | A17  | A18  |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A19  | A20  | A21  |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A22  | A27  | A28  |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A29  | A30  | A31  |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A32  | A33  | A34  |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A36  | A37  | A44  |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |



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| 检测项目    | 限值 | 单位    | MDL | A45  | A60  | A68  |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A72  | A75  | A76  |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A77  | A89  | A90  |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A93  | A98  | A106 |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A109 | A111 | A116 |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A122 | A123 | A124 |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A125 | A126 | A127 |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A128 | A129 | A130 |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A131 | A132 | A133 |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A134 | A135 | A136 |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | A137 | B1   | B2   |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |



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SGS-CSTC (Shanghai) Technical Services Co., Ltd.

SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgsgroup.com.cn  
t (86-532) 68999888 sgs.china@sgs.com

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## 检测报告

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| 检测项目    | 限值 | 单位    | MDL | B7   | B16  | C1   |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | C15  | C19  | D1   |
|---------|----|-------|-----|------|------|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 | <700 | <700 |
| 结论      |    |       |     | 符合   | 符合   | 符合   |

| 检测项目    | 限值 | 单位    | MDL | D11  |
|---------|----|-------|-----|------|
| 总锡 (Sn) | -- | mg/kg | 700 | <700 |
| 结论      |    |       |     | 符合   |

## 备注:

(1) 如果总锡的结果, 经过换算后不超过 REACH 附录 17 中第 20 条款关于有机锡以锡计的的要求, 则不要  
求做有机锡的确认性检测。

(2) 如果总锡结果>700 mg/kg, 强烈建议加测有机锡检测以便确认是否符合 REACH 附录 17 中第 20 条款关  
于有机锡的要求。

**欧盟决议(EC) No 1907/2006 REACH 附录 XVII 及其修正法案(EU) 2021/1199 第 50 条 - 多环芳香烃(PAHs)**

检测方法: 参考 AfPS GS 2019:01 PAK, 采用 GC-MS 进行分析。

| 检测项目               | CAS No.  | 限值  | 单位    | MDL | A3 | A6 | A7 |
|--------------------|----------|-----|-------|-----|----|----|----|
| 苯并 (a) 蒽 (BaA)     | 56-55-3  | 1.0 | mg/kg | 0.1 | ND | ND | ND |
| 蒽 (CHR)            | 218-01-9 | 1.0 | mg/kg | 0.1 | ND | ND | ND |
| 苯并 (b) 荧蒽 (BbF)    | 205-99-2 | 1.0 | mg/kg | 0.1 | ND | ND | ND |
| 苯并 (j) 荧蒽 (BjF)    | 205-82-3 | 1.0 | mg/kg | 0.1 | ND | ND | ND |
| 苯并 (k) 荧蒽 (BkF)    | 207-08-9 | 1.0 | mg/kg | 0.1 | ND | ND | ND |
| 苯并 (e) 芘 (BeP)     | 192-97-2 | 1.0 | mg/kg | 0.1 | ND | ND | ND |
| 苯并 (a) 芘 (BaP)     | 50-32-8  | 1.0 | mg/kg | 0.1 | ND | ND | ND |
| 二苯并 (a, h) 蒽 (DBA) | 53-70-3  | 1.0 | mg/kg | 0.1 | ND | ND | ND |
| 结论                 |          |     |       |     | 符合 | 符合 | 符合 |

| 检测项目               | CAS No.  | 限值  | 单位    | MDL | A8 | A11 | A13 |
|--------------------|----------|-----|-------|-----|----|-----|-----|
| 苯并 (a) 蒽 (BaA)     | 56-55-3  | 1.0 | mg/kg | 0.1 | ND | ND  | ND  |
| 蒽 (CHR)            | 218-01-9 | 1.0 | mg/kg | 0.1 | ND | ND  | ND  |
| 苯并 (b) 荧蒽 (BbF)    | 205-99-2 | 1.0 | mg/kg | 0.1 | ND | ND  | ND  |
| 苯并 (j) 荧蒽 (BjF)    | 205-82-3 | 1.0 | mg/kg | 0.1 | ND | ND  | ND  |
| 苯并 (k) 荧蒽 (BkF)    | 207-08-9 | 1.0 | mg/kg | 0.1 | ND | ND  | ND  |
| 苯并 (e) 芘 (BeP)     | 192-97-2 | 1.0 | mg/kg | 0.1 | ND | ND  | ND  |
| 苯并 (a) 芘 (BaP)     | 50-32-8  | 1.0 | mg/kg | 0.1 | ND | ND  | ND  |
| 二苯并 (a, h) 蒽 (DBA) | 53-70-3  | 1.0 | mg/kg | 0.1 | ND | ND  | ND  |
| 结论                 |          |     |       |     | 符合 | 符合  | 符合  |



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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgsgroup.com.cn  
t (86-532) 68999888 sgs.china@sgs.com

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## 检测报告

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| 检测项目               | CAS No.  | 限值  | 单位    | MDL | D1 |
|--------------------|----------|-----|-------|-----|----|
| 苯并 (a) 蒽 (BaA)     | 56-55-3  | 1.0 | mg/kg | 0.1 | ND |
| 蒽 (CHR)            | 218-01-9 | 1.0 | mg/kg | 0.1 | ND |
| 苯并 (b) 荧蒽 (BbF)    | 205-99-2 | 1.0 | mg/kg | 0.1 | ND |
| 苯并 (j) 荧蒽 (BjF)    | 205-82-3 | 1.0 | mg/kg | 0.1 | ND |
| 苯并 (k) 荧蒽 (BkF)    | 207-08-9 | 1.0 | mg/kg | 0.1 | ND |
| 苯并 (e) 芘 (BeP)     | 192-97-2 | 1.0 | mg/kg | 0.1 | ND |
| 苯并 (a) 芘 (BaP)     | 50-32-8  | 1.0 | mg/kg | 0.1 | ND |
| 二苯并 (a, h) 蒽 (DBA) | 53-70-3  | 1.0 | mg/kg | 0.1 | ND |
| 结论                 | 符合       |     |       |     |    |

欧盟法规(EC) No 1907/2006 REACH 附录 XVII 及其修正指令(EU) 2021/1297 第 68 条-C9-C14 PFCA 及其盐和 C9-C14 PFCA 相关物质

检测方法: 优化的 EN 17681-1:2025, 采用 LC-MS 或 LC-MS/MS 和 GC-MS 或 GC-MS/MS 进行分析。

| 检测项目                                      | CAS No.     | 限值 | 单位    | MDL | D11 | A3+A6 | A7+A8 |
|-------------------------------------------|-------------|----|-------|-----|-----|-------|-------|
| <b>C9-C14 PFCA, 及其盐</b>                   |             |    |       |     |     |       |       |
| 全氟壬酸 (PFNA), 及其盐 <sup>^</sup>             | 375-95-1    | -  | µg/kg | 10  | ND  | ND    | ND    |
| 全氟癸酸 (PFDA), 及其盐 <sup>^</sup>             | 335-76-2    | -  | µg/kg | 10  | ND  | ND    | ND    |
| 全氟十一烷酸 (PFUnDA), 及其盐 <sup>^</sup>         | 2058-94-8   | -  | µg/kg | 10  | ND  | ND    | ND    |
| 全氟十二烷酸 (PFDoDA), 及其盐 <sup>^</sup>         | 307-55-1    | -  | µg/kg | 10  | ND  | ND    | ND    |
| 全氟十三烷酸 (PFTrDA), 及其盐 <sup>^</sup>         | 72629-94-8  | -  | µg/kg | 10  | ND  | ND    | ND    |
| 全氟十四烷酸 (PFTDA), 及其盐 <sup>^</sup>          | 376-06-7    | -  | µg/kg | 10  | ND  | ND    | ND    |
| 全氟-3, 7-二甲基辛酸 (PF-3, 7-DMOA)              | 172155-07-6 | -  | µg/kg | 10  | ND  | ND    | ND    |
| C9-C14 PFCA 及其盐总和                         | -           | 25 | µg/kg | -   | ND  | ND    | ND    |
| <b>C9-C14 PFCA 相关物质</b>                   |             |    |       |     |     |       |       |
| 全氟癸烷磺酸 (PFDS), 及其盐 <sup>^</sup>           | 335-77-3    | -  | µg/kg | 10  | ND  | ND    | ND    |
| 1H, 1H, 2H, 2H-全氟-1-十二烷醇 (10:2 FTOH)      | 865-86-1    | -  | µg/kg | 100 | ND  | ND    | ND    |
| 1H, 1H, 2H, 2H-全氟十二烷基丙基丙烯酸酯 (10:2 FTA)    | 17741-60-5  | -  | µg/kg | 100 | ND  | ND    | ND    |
| 1H, 1H, 2H, 2H-全氟十二烷基甲基丙基丙烯酸酯 (10:2 FTMA) | 2144-54-9   | -  | µg/kg | 100 | ND  | ND    | ND    |



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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgsgroup.com.cn  
t (86-532) 68999888 sgs.china@sgs.com

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## 检测报告

编号: TAOEC26008631402

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| 检测项目                                                                                | CAS No.     | 限值 | 单位    | MDL | D11 | A3+A6 | A7+A8 |
|-------------------------------------------------------------------------------------|-------------|----|-------|-----|-----|-------|-------|
| 1, 1, 2, 2-四氢全氟-1-十四醇 (12:2 FTOH)                                                   | 39239-77-5  | -  | µg/kg | 100 | ND  | ND    | ND    |
| 1H, 1H, 2H, 2H-全氟十二烷磺酸 (10:2 FTS), 及其盐^                                             | 120226-60-0 | -  | µg/kg | 100 | ND  | ND    | ND    |
| 全氟癸基乙基碘 (10:2 FTI)                                                                  | 2043-54-1   | -  | µg/kg | 100 | ND  | ND    | ND    |
| 1H,1H,2H,2H-全氟十四烷基碘 (12:2 FTI)                                                      | 30046-31-2  | -  | µg/kg | 100 | ND  | ND    | ND    |
| 全氟壬烷磺酸 (PFNS), 及其盐^                                                                 | 68259-12-1  | -  | µg/kg | 10  | ND  | ND    | ND    |
| 全氟十一烷磺酸 (PFUnDS), 及其盐^                                                              | 749786-16-1 | -  | µg/kg | 10  | ND  | ND    | ND    |
| 全氟十二烷磺酸 (PFDoDS), 及其盐^                                                              | 79780-39-5  | -  | µg/kg | 10  | ND  | ND    | ND    |
| 全氟十三烷磺酸 (PFTrDS), 及其盐^                                                              | 791563-89-8 | -  | µg/kg | 10  | ND  | ND    | ND    |
| 双[2-(全氟癸基)乙基]磷酸盐 (10:2 diPAP), 及其盐^                                                 | 1895-26-7   | -  | µg/kg | 100 | ND  | ND    | ND    |
| 1-碘全氟癸烷 (PFDI)                                                                      | 423-62-1    | -  | µg/kg | 100 | ND  | ND    | ND    |
| 全氟碘代十二烷 (PFDodi)                                                                    | 307-60-8    | -  | µg/kg | 100 | ND  | ND    | ND    |
| 2H-全氟-2-十二烯酸 (10:2 FTUCA)                                                           | 70887-94-4  | -  | µg/kg | 10  | ND  | ND    | ND    |
| 2-全氟癸基乙酸 (10:2 FTCA)                                                                | 53826-13-4  | -  | µg/kg | 10  | ND  | ND    | ND    |
| 1H,1H,2H,2H-全氟癸基乙酸酯 (10:2 FTOAc)                                                    | 37858-05-2  | -  | µg/kg | 100 | ND  | ND    | ND    |
| 1H,1H,2H,2H-全氟癸烷磺酸 (8:2 FTS), 及其盐^                                                  | 39108-34-4  | -  | µg/kg | 10  | ND  | ND    | ND    |
| 1H, 1H, 2H, 2H-全氟癸基丙烯酸酯 (8:2 FTA)                                                   | 27905-45-9  | -  | µg/kg | 100 | ND  | ND    | ND    |
| 1H, 1H, 2H, 2H-甲基丙烯酸全氟癸酯 (8:2 FTMA)                                                 | 1996-88-9   | -  | µg/kg | 100 | ND  | ND    | ND    |
| 2H,2H-全氟癸酸 (8:2 FTCA), 及其盐^                                                         | 27854-31-5  | -  | µg/kg | 10  | ND  | ND    | ND    |
| 1H, 1H, 2H, 2H-全氟-1-癸醇 (8:2 FTOH)                                                   | 678-39-7    | -  | µg/kg | 100 | ND  | ND    | ND    |
| 1-碘-1H, 1H, 2H, 2H-全氟癸烷 (8:2 FTI)                                                   | 2043-53-0   | -  | µg/kg | 100 | ND  | ND    | ND    |
| 1H, 1H, 2H, 2H-全氟癸基三乙氧基硅烷 (8:2 FTSi(OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> ) | 101947-16-4 | -  | µg/kg | 100 | ND  | ND    | ND    |



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SGS-TESTING Technical Services (Shanghai) Co., Ltd.

SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgsgroup.com.cn  
t (86-532) 68999888 sgs.china@sgs.com

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## 检测报告

编号: TAOEC26008631402

日期: 2026 年 08 月 20 日

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| 检测项目                                                                                                               | CAS No.                   | 限值  | 单位    | MDL | D11 | A3+A6 | A7+A8 |
|--------------------------------------------------------------------------------------------------------------------|---------------------------|-----|-------|-----|-----|-------|-------|
| 双[2-(全氟辛基)]乙基磷酸酯(8:2diPAP), 及其盐^                                                                                   | 678-41-1                  | -   | µg/kg | 10  | ND  | ND    | ND    |
| 2H,2H,3H,3H-全氟十一烷酸(8:3 FTCA), 及其盐^                                                                                 | 34598-33-9                | -   | µg/kg | 10  | ND  | ND    | ND    |
| 全氟辛基乙烯 (PFDE)                                                                                                      | 21652-58-4                | -   | µg/kg | 100 | ND  | ND    | ND    |
| 1H,1H,2H,2H-全氟癸基三氯硅烷 (8:2 FTSiCl <sub>3</sub> )/1H,1H,2H,2H-全氟癸基三甲氧基硅烷 (8:2 FTSi(OCH <sub>3</sub> ) <sub>3</sub> ) | 78560-44-8<br>/83048-65-1 | -   | µg/kg | 100 | ND  | ND    | ND    |
| 1H,1H,2H,2H-全氟十二烷基乙酸酯 (8:2 FTOAc)                                                                                  | 37858-04-1                | -   | µg/kg | 100 | ND  | ND    | ND    |
| 单[2-(全氟辛基)乙基]磷酸盐 (8:2 monoPAP), 及其盐^                                                                               | 57678-03-2                | -   | µg/kg | 100 | ND  | ND    | ND    |
| 单[2-(全氟癸基)乙基]磷酸酯 (10:2 monoPAP), 及其盐^                                                                              | 57678-05-4                | -   | µg/kg | 100 | ND  | ND    | ND    |
| 2H-全氟-2-癸烯酸 (8:2 FTUCA)                                                                                            | 70887-84-2                | -   | µg/kg | 10  | ND  | ND    | ND    |
| ((全氟辛基)乙基)膦酸                                                                                                       | 80220-63-9                | -   | µg/kg | 20  | ND  | ND    | ND    |
| C9-C14 PFCA 相关物质的总和                                                                                                | -                         | 260 | µg/kg | -   | ND  | ND    | ND    |
| 结论                                                                                                                 |                           |     |       |     | 符合  | 符合    | 符合    |

| 检测项目                         | CAS No.     | 限值 | 单位    | MDL | A11+A12 | A68+A72 | A75+A76 |
|------------------------------|-------------|----|-------|-----|---------|---------|---------|
| <b>C9-C14 PFCA, 及其盐</b>      |             |    |       |     |         |         |         |
| 全氟壬酸 (PFNA), 及其盐^            | 375-95-1    | -  | µg/kg | 10  | ND      | ND      | ND      |
| 全氟癸酸 (PFDA), 及其盐^            | 335-76-2    | -  | µg/kg | 10  | ND      | ND      | ND      |
| 全氟十一烷酸 (PFUnDA), 及其盐^        | 2058-94-8   | -  | µg/kg | 10  | ND      | ND      | ND      |
| 全氟十二烷酸 (PFDaDA), 及其盐^        | 307-55-1    | -  | µg/kg | 10  | ND      | ND      | ND      |
| 全氟十三烷酸 (PFTrDA), 及其盐^        | 72629-94-8  | -  | µg/kg | 10  | ND      | ND      | ND      |
| 全氟十四烷酸 (PFTDA), 及其盐^         | 376-06-7    | -  | µg/kg | 10  | ND      | ND      | ND      |
| 全氟-3, 7-二甲基辛酸 (PF-3, 7-DMOA) | 172155-07-6 | -  | µg/kg | 10  | ND      | ND      | ND      |
| C9-C14 PFCA 及其盐总和            | -           | 25 | µg/kg | -   | ND      | ND      | ND      |
| <b>C9-C14 PFCA 相关物质</b>      |             |    |       |     |         |         |         |



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SGS-TESTING Technical Services (Shanghai) Co., Ltd.

SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgsgroup.com.cn  
t (86-532) 68999888 sgs.china@sgs.com

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## 检测报告

编号: TAOEC26008631402

日期: 2026 年 08 月 20 日

第 13 页, 共 26 页

| 检测项目                                                | CAS No.     | 限值 | 单位    | MDL | A11+A12 | A68+A72 | A75+A76 |
|-----------------------------------------------------|-------------|----|-------|-----|---------|---------|---------|
| 全氟癸烷磺酸 (PFDS), 及其盐 <sup>^</sup>                     | 335-77-3    | -  | µg/kg | 10  | ND      | ND      | ND      |
| 1H, 1H, 2H, 2H-全氟-1-十二烷醇 (10:2 FTOH)                | 865-86-1    | -  | µg/kg | 100 | ND      | ND      | ND      |
| 1H, 1H, 2H, 2H-全氟十二烷基丙烯酸酯 (10:2 FTA)                | 17741-60-5  | -  | µg/kg | 100 | ND      | ND      | ND      |
| 1H, 1H, 2H, 2H-全氟十二烷基甲基丙烯酸酯 (10:2 FTMA)             | 2144-54-9   | -  | µg/kg | 100 | ND      | ND      | ND      |
| 1, 1, 2, 2-四氢全氟-1-十四醇 (12:2 FTOH)                   | 39239-77-5  | -  | µg/kg | 100 | ND      | ND      | ND      |
| 1H, 1H, 2H, 2H-全氟十二烷磺酸 (10:2 FTS), 及其盐 <sup>^</sup> | 120226-60-0 | -  | µg/kg | 100 | ND      | ND      | ND      |
| 全氟癸基乙基碘 (10:2 FTI)                                  | 2043-54-1   | -  | µg/kg | 100 | ND      | ND      | ND      |
| 1H, 1H, 2H, 2H-全氟十四烷基碘 (12:2 FTI)                   | 30046-31-2  | -  | µg/kg | 100 | ND      | ND      | ND      |
| 全氟壬烷磺酸 (PFNS), 及其盐 <sup>^</sup>                     | 68259-12-1  | -  | µg/kg | 10  | ND      | ND      | ND      |
| 全氟十一烷磺酸 (PFUnDS), 及其盐 <sup>^</sup>                  | 749786-16-1 | -  | µg/kg | 10  | ND      | ND      | ND      |
| 全氟十二烷磺酸 (PFDoDS), 及其盐 <sup>^</sup>                  | 79780-39-5  | -  | µg/kg | 10  | ND      | ND      | ND      |
| 全氟十三烷磺酸 (PFTrDS), 及其盐 <sup>^</sup>                  | 791563-89-8 | -  | µg/kg | 10  | ND      | ND      | ND      |
| 双[2-(全氟癸基)乙基]磷酸盐 (10:2 diPAP), 及其盐 <sup>^</sup>     | 1895-26-7   | -  | µg/kg | 100 | ND      | ND      | ND      |
| 1-碘全氟癸烷 (PFDI)                                      | 423-62-1    | -  | µg/kg | 100 | ND      | ND      | ND      |
| 全氟碘代十二烷 (PFDoDI)                                    | 307-60-8    | -  | µg/kg | 100 | ND      | ND      | ND      |
| 2H-全氟-2-十二烯酸 (10:2 FTUCA)                           | 70887-94-4  | -  | µg/kg | 10  | ND      | ND      | ND      |
| 2-全氟癸基乙酸 (10:2 FTCA)                                | 53826-13-4  | -  | µg/kg | 10  | ND      | ND      | ND      |
| 1H, 1H, 2H, 2H-全氟癸基乙酸酯 (10:2 FTOAc)                 | 37858-05-2  | -  | µg/kg | 100 | ND      | ND      | ND      |
| 1H, 1H, 2H, 2H-全氟癸烷磺酸 (8:2 FTS), 及其盐 <sup>^</sup>   | 39108-34-4  | -  | µg/kg | 10  | ND      | ND      | ND      |
| 1H, 1H, 2H, 2H-全氟癸基丙烯酸酯 (8:2 FTA)                   | 27905-45-9  | -  | µg/kg | 100 | ND      | ND      | ND      |



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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgsgroup.com.cn  
t (86-532) 68999888 sgs.china@sgs.com

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## 检测报告

编号: TAOEC26008631402

日期: 2026 年 08 月 20 日

第 14 页, 共 26 页

| 检测项目                                                                                                               | CAS No.                | 限值  | 单位    | MDL | A11+A12 | A68+A72 | A75+A76 |
|--------------------------------------------------------------------------------------------------------------------|------------------------|-----|-------|-----|---------|---------|---------|
| 1H, 1H, 2H, 2H-甲基丙烯酸全氟癸酯 (8:2 FTMA)                                                                                | 1996-88-9              | -   | µg/kg | 100 | ND      | ND      | ND      |
| 2H,2H-全氟癸酸 (8:2 FTCA), 及其盐^                                                                                        | 27854-31-5             | -   | µg/kg | 10  | ND      | ND      | ND      |
| 1H, 1H, 2H, 2H-全氟-1-癸醇 (8:2 FTOH)                                                                                  | 678-39-7               | -   | µg/kg | 100 | ND      | ND      | ND      |
| 1-碘-1H, 1H, 2H, 2H-全氟癸烷 (8:2 FTI)                                                                                  | 2043-53-0              | -   | µg/kg | 100 | ND      | ND      | ND      |
| 1H, 1H, 2H, 2H-全氟癸基三乙氧基硅烷 (8:2 FTSi(OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )                                | 101947-16-4            | -   | µg/kg | 100 | ND      | ND      | ND      |
| 双[2-(全氟辛基)]乙基磷酸酯(8:2diPAP), 及其盐^                                                                                   | 678-41-1               | -   | µg/kg | 10  | ND      | ND      | ND      |
| 2H,2H,3H,3H-全氟十一烷酸(8:3 FTCA), 及其盐^                                                                                 | 34598-33-9             | -   | µg/kg | 10  | ND      | ND      | ND      |
| 全氟辛基乙烯 (PFDE)                                                                                                      | 21652-58-4             | -   | µg/kg | 100 | ND      | ND      | ND      |
| 1H,1H,2H,2H-全氟癸基三氯硅烷 (8:2 FTSiCl <sub>3</sub> )/1H,1H,2H,2H-全氟癸基三甲氧基硅烷 (8:2 FTSi(OCH <sub>3</sub> ) <sub>3</sub> ) | 78560-44-8 /83048-65-1 | -   | µg/kg | 100 | ND      | ND      | ND      |
| 1H,1H,2H,2H-全氟十二烷基乙酸酯 (8:2 FTOAc)                                                                                  | 37858-04-1             | -   | µg/kg | 100 | ND      | ND      | ND      |
| 单[2-(全氟辛基)乙基]磷酸盐 (8:2 monoPAP), 及其盐^                                                                               | 57678-03-2             | -   | µg/kg | 100 | ND      | ND      | ND      |
| 单[2-(全氟癸基)乙基]磷酸酯 (10:2 monoPAP), 及其盐^                                                                              | 57678-05-4             | -   | µg/kg | 100 | ND      | ND      | ND      |
| 2H-全氟-2-癸烯酸 (8:2 FTUCA)                                                                                            | 70887-84-2             | -   | µg/kg | 10  | ND      | ND      | ND      |
| ((全氟辛基)乙基)磷酸                                                                                                       | 80220-63-9             | -   | µg/kg | 20  | ND      | ND      | ND      |
| C9-C14 PFCA 相关物质的总和                                                                                                | -                      | 260 | µg/kg | -   | ND      | ND      | ND      |
| 结论                                                                                                                 |                        |     |       |     | 符合      | 符合      | 符合      |

| 检测项目                    | CAS No.  | 限值 | 单位    | MDL | A77+A89 | A106+B16 | C15+C19 |
|-------------------------|----------|----|-------|-----|---------|----------|---------|
| <b>C9-C14 PFCA, 及其盐</b> |          |    |       |     |         |          |         |
| 全氟壬酸 (PFNA), 及其盐^       | 375-95-1 | -  | µg/kg | 10  | ND      | ND       | ND      |
| 全氟癸酸 (PFDA), 及其盐^       | 335-76-2 | -  | µg/kg | 10  | ND      | ND       | ND      |



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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgsgroup.com.cn  
t (86-532) 68999888 sgs.china@sgs.com

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## 检测报告

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日期: 2026 年 08 月 20 日

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| 检测项目                                    | CAS No.     | 限值 | 单位    | MDL | A77+A8<br>9 | A106+B<br>16 | C15+C1<br>9 |
|-----------------------------------------|-------------|----|-------|-----|-------------|--------------|-------------|
| 全氟十一烷酸 (PFUnDA), 及其盐^                   | 2058-94-8   | -  | µg/kg | 10  | ND          | ND           | ND          |
| 全氟十二烷酸 (PFDoDA), 及其盐^                   | 307-55-1    | -  | µg/kg | 10  | ND          | ND           | ND          |
| 全氟十三烷酸 (PFTrDA), 及其盐^                   | 72629-94-8  | -  | µg/kg | 10  | ND          | ND           | ND          |
| 全氟十四烷酸 (PFTDA), 及其盐^                    | 376-06-7    | -  | µg/kg | 10  | ND          | ND           | ND          |
| 全氟-3, 7-二甲基辛酸 (PF-3, 7-DMOA)            | 172155-07-6 | -  | µg/kg | 10  | ND          | ND           | ND          |
| C9-C14 PFCA 及其盐总和                       | -           | 25 | µg/kg | -   | ND          | ND           | ND          |
| <b>C9-C14 PFCA 相关物质</b>                 |             |    |       |     |             |              |             |
| 全氟癸烷磺酸 (PFDS), 及其盐^                     | 335-77-3    | -  | µg/kg | 10  | ND          | ND           | ND          |
| 1H, 1H, 2H, 2H-全氟-1-十二烷醇 (10:2 FTOH)    | 865-86-1    | -  | µg/kg | 100 | ND          | ND           | ND          |
| 1H, 1H, 2H, 2H-全氟十二烷基丙烯酸酯 (10:2 FTA)    | 17741-60-5  | -  | µg/kg | 100 | ND          | ND           | ND          |
| 1H,1H,2H,2H-全氟十二烷基甲基丙烯酸酯 (10:2 FTMA)    | 2144-54-9   | -  | µg/kg | 100 | ND          | ND           | ND          |
| 1, 1, 2, 2-四氢全氟-1-十四醇 (12:2 FTOH)       | 39239-77-5  | -  | µg/kg | 100 | ND          | ND           | ND          |
| 1H, 1H, 2H, 2H-全氟十二烷磺酸 (10:2 FTS), 及其盐^ | 120226-60-0 | -  | µg/kg | 100 | ND          | ND           | ND          |
| 全氟癸基乙基碘 (10:2 FTI)                      | 2043-54-1   | -  | µg/kg | 100 | ND          | ND           | ND          |
| 1H,1H,2H,2H-全氟十四烷基碘 (12:2 FTI)          | 30046-31-2  | -  | µg/kg | 100 | ND          | ND           | ND          |
| 全氟壬烷磺酸 (PFNS), 及其盐^                     | 68259-12-1  | -  | µg/kg | 10  | ND          | ND           | ND          |
| 全氟十一烷磺酸 (PFUnDS), 及其盐^                  | 749786-16-1 | -  | µg/kg | 10  | ND          | ND           | ND          |
| 全氟十二烷磺酸 (PFDoDS), 及其盐^                  | 79780-39-5  | -  | µg/kg | 10  | ND          | ND           | ND          |
| 全氟十三烷磺酸 (PFTrDS), 及其盐^                  | 791563-89-8 | -  | µg/kg | 10  | ND          | ND           | ND          |
| 双[2-(全氟癸基)乙基]磷酸盐 (10:2 diPAP), 及其盐^     | 1895-26-7   | -  | µg/kg | 100 | ND          | ND           | ND          |
| 1-碘全氟癸烷 (PFDI)                          | 423-62-1    | -  | µg/kg | 100 | ND          | ND           | ND          |



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SGS-TESTING Technical Services (Shanghai) Co., Ltd.

SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgsgroup.com.cn  
t (86-532) 68999888 sgs.china@sgs.com

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## 检测报告

编号: TAOEC26008631402

日期: 2026 年 08 月 20 日

第 16 页, 共 26 页

| 检测项目                                                                                                               | CAS No.                | 限值 | 单位    | MDL | A77+A8<br>9 | A106+B<br>16 | C15+C1<br>9 |
|--------------------------------------------------------------------------------------------------------------------|------------------------|----|-------|-----|-------------|--------------|-------------|
| 全氟碘代十二烷 (PFD <sub>2</sub> DI)                                                                                      | 307-60-8               | -  | µg/kg | 100 | ND          | ND           | ND          |
| 2H-全氟-2-十二烯酸 (10:2 FTUCA)                                                                                          | 70887-94-4             | -  | µg/kg | 10  | ND          | ND           | ND          |
| 2-全氟癸基乙酸 (10:2 FTCA)                                                                                               | 53826-13-4             | -  | µg/kg | 10  | ND          | ND           | ND          |
| 1H,1H,2H,2H-全氟癸基乙酸酯 (10:2 FTOAc)                                                                                   | 37858-05-2             | -  | µg/kg | 100 | ND          | ND           | ND          |
| 1H,1H,2H,2H-全氟癸烷磺酸 (8:2 FTS), 及其盐 <sup>^</sup>                                                                     | 39108-34-4             | -  | µg/kg | 10  | ND          | ND           | ND          |
| 1H, 1H, 2H, 2H-全氟癸基丙烯酸酯 (8:2 FTA)                                                                                  | 27905-45-9             | -  | µg/kg | 100 | ND          | ND           | ND          |
| 1H, 1H, 2H, 2H-甲基丙烯酸全氟癸酯 (8:2 FTMA)                                                                                | 1996-88-9              | -  | µg/kg | 100 | ND          | ND           | ND          |
| 2H,2H-全氟癸酸 (8:2 FTCA), 及其盐 <sup>^</sup>                                                                            | 27854-31-5             | -  | µg/kg | 10  | ND          | ND           | ND          |
| 1H, 1H, 2H, 2H-全氟-1-癸醇 (8:2 FTOH)                                                                                  | 678-39-7               | -  | µg/kg | 100 | ND          | ND           | ND          |
| 1-碘-1H, 1H, 2H, 2H-全氟癸烷 (8:2 FTI)                                                                                  | 2043-53-0              | -  | µg/kg | 100 | ND          | ND           | ND          |
| 1H, 1H, 2H, 2H-全氟癸基三乙氧基硅烷 (8:2 FTSi(OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )                                | 101947-16-4            | -  | µg/kg | 100 | ND          | ND           | ND          |
| 双[2-(全氟辛基)]乙基磷酸酯(8:2diPAP), 及其盐 <sup>^</sup>                                                                       | 678-41-1               | -  | µg/kg | 10  | ND          | ND           | ND          |
| 2H,2H,3H,3H-全氟十一烷酸(8:3 FTCA), 及其盐 <sup>^</sup>                                                                     | 34598-33-9             | -  | µg/kg | 10  | ND          | ND           | ND          |
| 全氟辛基乙烯 (PFDE)                                                                                                      | 21652-58-4             | -  | µg/kg | 100 | ND          | ND           | ND          |
| 1H,1H,2H,2H-全氟癸基三氯硅烷 (8:2 FTSiCl <sub>3</sub> )/1H,1H,2H,2H-全氟癸基三甲氧基硅烷 (8:2 FTSi(OCH <sub>3</sub> ) <sub>3</sub> ) | 78560-44-8 /83048-65-1 | -  | µg/kg | 100 | ND          | ND           | ND          |
| 1H,1H,2H,2H-全氟十二烷基乙酸酯 (8:2 FTOAc)                                                                                  | 37858-04-1             | -  | µg/kg | 100 | ND          | ND           | ND          |
| 单[2-(全氟辛基)乙基]磷酸盐 (8:2 monoPAP), 及其盐 <sup>^</sup>                                                                   | 57678-03-2             | -  | µg/kg | 100 | ND          | ND           | ND          |
| 单[2-(全氟癸基)乙基]磷酸酯 (10:2 monoPAP), 及其盐 <sup>^</sup>                                                                  | 57678-05-4             | -  | µg/kg | 100 | ND          | ND           | ND          |
| 2H-全氟-2-癸烯酸 (8:2 FTUCA)                                                                                            | 70887-84-2             | -  | µg/kg | 10  | ND          | ND           | ND          |



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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgsgroup.com.cn  
t (86-532) 68999888 sgs.china@sgs.com

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## 检测报告

编号: TAOEC26008631402

日期: 2026 年 08 月 20 日

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| 检测项目                | CAS No.    | 限值  | 单位    | MDL | A77+A8<br>9 | A106+B<br>16 | C15+C1<br>9 |
|---------------------|------------|-----|-------|-----|-------------|--------------|-------------|
| ((全氟辛基)乙基)膦酸        | 80220-63-9 | -   | µg/kg | 20  | ND          | ND           | ND          |
| C9-C14 PFCA 相关物质的总和 | -          | 260 | µg/kg | -   | ND          | ND           | ND          |
| 结论                  |            |     |       |     | 符合          | 符合           | 符合          |

## 备注:

(1) 1µg/kg=1ppb。

(2) 至2024年8月25日, 含氟烷氧基的氟塑料和含氟弹性体中C9-C14 PFCAs的浓度限值为2000 ppb。自2024年8月25日起, 含氟烷氧基的氟塑料和含氟弹性体中C9-C14 PFCAs的浓度限值为100 ppb。

(3) 对于通过电离辐射或热降解产生的PTFE微粉, 以及包含PTFE微粉的工业和专业用途的混合物和制品中, C9-C14 PFCAs的浓度限值为1000 ppb, 委员会应不迟于 2024 年 8 月 25 日审查此减损。

(4) ^=物质是指附表中列出的盐/衍生物

| 物质名称                                                                                   | CAS No.     |
|----------------------------------------------------------------------------------------|-------------|
| <b>PFNA, 及其盐</b>                                                                       |             |
| 全氟壬酸(PFNA)                                                                             | 375-95-1    |
| 全氟壬酸钠(PFNA-Na)                                                                         | 21049-39-8  |
| 全氟壬酸铵(PFNA-NH <sub>4</sub> )                                                           | 4149-60-4   |
| 全氟壬酸钾(PFNA-K)                                                                          | 21049-38-7  |
| 全氟壬酸锂(PFNA-Li)                                                                         | 60871-92-3  |
| 全氟壬酸银(PFNA-Ag)                                                                         | 7358-16-9   |
| 全氟壬酸甲铵(PFNA-NH <sub>3</sub> (CH <sub>3</sub> ))                                        | 77032-23-6  |
| 全氟壬酸-N-乙基乙胺(1:1) (PFNA-NH <sub>2</sub> (C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> ) | 77032-27-0  |
| 全氟壬酸-N-甲基甲胺(1:1) (PFNA-NH <sub>2</sub> (CH <sub>3</sub> ) <sub>2</sub> )               | 77032-24-7  |
| 全氟壬酸-N, N-二乙基乙酰胺(1:1) (9CI) (PFNA-NH(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )    | 327176-80-7 |
| 全氟壬酸-哌啶(1:1) (9CI) (PFNA-NH <sub>2</sub> (C <sub>5</sub> H <sub>10</sub> ))            | 95682-66-9  |
| 全氟壬酸-苯胺(1:1) (PFNA-NH <sub>2</sub> (C <sub>6</sub> H <sub>5</sub> ))                   | 95682-67-0  |
| 全氟壬酸-环己胺(1:1) (9CI) ((PFNA-NH <sub>2</sub> (C <sub>6</sub> H <sub>11</sub> )))         | 328531-06-2 |
| 全氟壬酸盐                                                                                  | 72007-68-2  |
| 全氟壬酸磺胺甲氧基嘧啶(PFNA-C <sub>11</sub> H <sub>12</sub> N <sub>4</sub> O <sub>3</sub> S)      | 298703-33-0 |
| 全氟壬酸酐(PFNAA)                                                                           | 228407-54-3 |
| 全氟壬酰氯(PFNA-Cl)                                                                         | 52447-23-1  |
| 全氟壬酰氟(PFNA-F)                                                                          | 558-95-2    |
| 全氟壬酰溴(PFNA-Br)                                                                         | 261503-42-8 |
| <b>PFDA, 及其盐</b>                                                                       |             |
| 全氟癸酸(PFDA)                                                                             | 335-76-2    |
| 全氟癸酸钠(PFDA-Na)                                                                         | 3830-45-3   |
| 全氟癸酸铵(PFDA-NH <sub>4</sub> )                                                           | 3108-42-7   |
| 全氟癸酸钾(PFDA-K)                                                                          | 51604-85-4  |



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中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgsgroup.com.cn  
t (86-532) 68999888 sgs.china@sgs.com

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| 全氟癸酸银(PFDA-Ag)                     | 5784-82-7   |
| 全氟癸酸锂(PFDA-Li)                     | 84743-32-8  |
| 全氟癸酸盐                              | 73829-36-4  |
| 全氟癸酸酐 (PFDA)                       | 942199-24-8 |
| 全氟癸酰氯(PFDA-Cl)                     | 307-38-0    |
| 全氟癸酰氟(PFDA-F)                      | --          |
| <b>PFUnDA, 及其盐</b>                 |             |
| 全氟十一烷酸(PFUnDA)                     | 2058-94-8   |
| 全氟十一烷酸钠(PFUnDA-Na)                 | 60871-96-7  |
| 全氟十一烷酸铵(PFUnDA-NH <sub>4</sub> )   | 4234-23-5   |
| 全氟十一烷酸钾(PFUnDA-K)                  | 30377-53-8  |
| 全氟十一烷酸钙(PFUnDA-Ca)                 | 97163-17-2  |
| 全氟十一烷酸盐                            | 196859-54-8 |
| <b>PFDoDA, 及其盐</b>                 |             |
| 全氟十二烷酸(PFDoDA)                     | 307-55-1    |
| 全氟十二烷铵(PFDoDA-NH <sub>4</sub> )    | 3793-74-6   |
| 全氟十二烷酸盐                            | 171978-95-3 |
| 全氟十二烷酸钠(PFDoDA-Na)                 | 307-67-5    |
| <b>PFTrDA, 及其盐</b>                 |             |
| 全氟十三烷酸(PFTrDA)                     | 72629-94-8  |
| 全氟十三烷酸铵(PFTrDA-NH <sub>4</sub> )   | 4288-72-6   |
| 全氟十三烷酸钠 (PFTrDA-Na)                | 60872-01-7  |
| 全氟十三烷酸盐                            | 862374-87-6 |
| <b>PFTDA, 及其盐</b>                  |             |
| 全氟十四烷酸(PFTDA)                      | 376-06-7    |
| 全氟十四烷酸盐                            | 365971-87-5 |
| <b>PFDS, 及其盐</b>                   |             |
| 全氟癸烷磺酸(PFDS)                       | 335-77-3    |
| 全氟癸烷磺酸钠(PFDS-Na)                   | 2806-15-7   |
| 全氟癸烷磺酸钾(PFDS-K)                    | 2806-16-8   |
| 全氟癸基磺酸铵(PFDS-NH <sub>4</sub> )     | 67906-42-7  |
| 全氟癸基磺酸盐                            | 126105-34-8 |
| 全氟癸烷磺酸酐 (PFDSA)                    | 51667-62-0  |
| 全氟癸烷磺酰氟(PFDS-F)                    | 307-51-7    |
| 全氟癸烷磺酰氯(PFDS-Cl)                   | 32779-61-6  |
| <b>10:2 FTS, 及其盐</b>               |             |
| 1H,1H,2H,2H-全氟十二烷磺酸(10:2 FTS)      | 120226-60-0 |
| 1H,1H,2H,2H-全氟十二烷磺酸钠 (10:2 FTS-Na) | 108026-35-3 |



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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgsgroup.com.cn  
t (86-532) 68999888 sgs.china@sgs.com

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| 1H,1H,2H,2H-全氟十二烷磺酰氯(10:2 FTS-Cl)                                                       | 27619-91-6   |
| <b>PFNS, 及其盐</b>                                                                        |              |
| 全氟壬烷磺酸(PFNS)                                                                            | 68259-12-1   |
| 全氟壬烷磺酸钠(PFNS-Na)                                                                        | 98789-57-2   |
| 全氟壬烷磺酸铵(PFNS-NH <sub>4</sub> )                                                          | 17202-41-4   |
| 全氟壬烷磺酸钾(PFNS-K)                                                                         | 29359-39-5   |
| 全氟壬烷磺酸盐                                                                                 | 474511-07-4  |
| 全氟壬烷磺酰氟(PFNS-F)                                                                         | 68259-06-3   |
| <b>PFUnDS, 及其盐</b>                                                                      |              |
| 全氟十一烷磺酸(PFUnDS)                                                                         | 749786-16-1  |
| 全氟十一烷磺酸盐                                                                                | 441296-91-9  |
| <b>PFDOS, 及其盐</b>                                                                       |              |
| 全氟十二烷磺酸(PFDOS)                                                                          | 79780-39-5   |
| 全氟十二烷磺酸钠(PFDOS-Na)                                                                      | 1260224-54-1 |
| 全氟十二烷磺酸钾(PFDOS-K)                                                                       | 85187-17-3   |
| 全氟十二烷磺酸盐                                                                                | 343629-43-6  |
| <b>PFTDS, 及其盐</b>                                                                       |              |
| 全氟十三烷磺酸(PFTDS)                                                                          | 791563-89-8  |
| 全氟十三烷磺酸钠(PFTDS-Na)                                                                      | 174675-49-1  |
| <b>10:2 diPAP, 及其盐</b>                                                                  |              |
| 双[2-(全氟癸基)乙基]磷酸盐(10:2 diPAP)                                                            | 1895-26-7    |
| 2,2'-亚氨基二乙醇双[2-(全氟癸基)乙基]磷酸盐 (10:2 diPAP-C <sub>4</sub> H <sub>11</sub> O <sub>2</sub> ) | 57677-98-2   |
| <b>8:2 FTS, 及其盐</b>                                                                     |              |
| 1H,1H,2H,2H-全氟癸烷磺酸(8:2 FTS)                                                             | 39108-34-4   |
| 1H,1H,2H,2H-全氟癸磺酸钾(8:2 FTS-K)                                                           | 438237-73-1  |
| 1H,1H,2H,2H-全氟癸磺酸铵(8:2 FTS-NH <sub>4</sub> )                                            | 149724-40-3  |
| 1H,1H,2H,2H-全氟癸磺酸钠(8:2 FTS-Na)                                                          | 27619-96-1   |
| 1H,1H,2H,2H-全氟癸磺酸盐 (8:2 FTS(anion))                                                     | 481071-78-7  |
| 1H,1H,2H,2H-全氟癸磺酰氯 (8:2 FTS-Cl)                                                         | 27619-90-5   |
| <b>8:2 FTCA, 及其盐</b>                                                                    |              |
| 2H,2H-全氟癸酸(8:2 FTCA)                                                                    | 27854-31-5   |
| 四丁基磷2H,2H-全氟癸酸酯(8:2 FTCA-P(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )               | 882489-14-7  |
| <b>8:2diPAP, 及其盐</b>                                                                    |              |
| 双[2-(全氟辛基)]乙基磷酸酯(8:2diPAP)                                                              | 678-41-1     |
| 双[2-(全氟辛基)]乙基磷酸酯钠(8:2diPAP-Na)                                                          | 114519-85-6  |
| 双(2-羟乙基)铵双(全氟辛基)乙基磷酸氢                                                                   | 57677-97-1   |
| 双[2-(全氟辛基)]乙基磷酸酯铵盐(8:2 diPAP-NH <sub>4</sub> )                                          | 93776-20-6   |



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中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

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|                                 |              |
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| 8:2氟调聚物磷酸二酯离子                   | 1411713-91-1 |
| <b>8:3 FTCA, 及其盐</b>            |              |
| 2H,2H,3H,3H-全氟十一烷酸(8:3 FTCA)    | 34598-33-9   |
| 2H,2H,3H,3H-全氟十一烷酸钾(8:3 FTCA-K) | 83310-58-1   |
| 2H,2H,3H,3H-全氟十一酸锂(8:3 FTCA-Li) | 67304-23-8   |
| <b>8:2 monoPAP, 及其盐</b>         |              |
| 单[2-(全氟辛基)乙基]磷酸盐 (8:2 monoPAP)  | 57678-03-2   |
| 8:2氟调聚物磷酸二铵盐                    | 93857-44-4   |
| 8:2氟调聚物磷酸钠盐                     | 438237-75-3  |
| 双[2-(全氟辛基)乙基]磷酸铵盐               | 1764-95-0    |
| 单[2-(全氟辛基)乙基]磷酸铵盐               | 92401-44-0   |
| 单[2-(全氟辛基)乙基]磷酸单钠盐              | 144965-22-0  |
| 单[2-(全氟辛基)乙基]磷酸单钾盐              | 150033-28-6  |
| 单[2-(全氟辛基)乙基]磷酸氢铵盐              | 2353-52-8    |
| <b>10:2 monoPAP, 及其盐</b>        |              |
| 单[2-(全氟癸基)乙基]磷酸酯 (10:2 monoPAP) | 57678-05-4   |
| 单[2-(全氟癸基)乙基]磷酸双铵盐              | 93857-45-5   |
| 二十一氟十二烷基磷酸二氢酯环己铵盐               | 2514858-66-1 |

(5) 结论仅针对报告上的物质清单。

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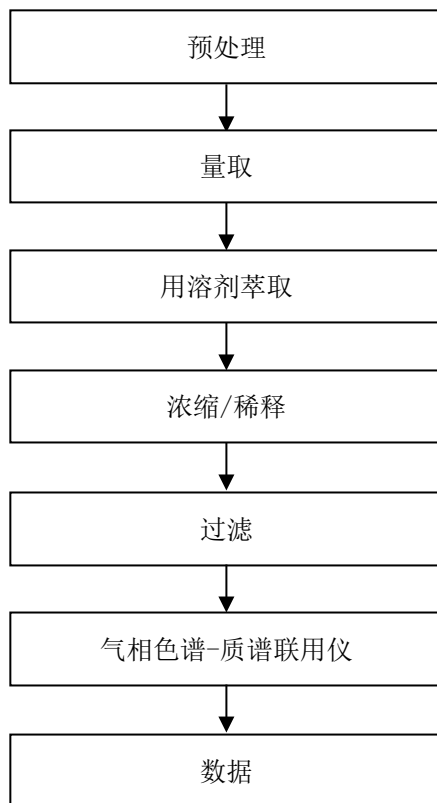
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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
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t (86-532) 68999888 www.sgsgroup.com.cn  
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## PAHs 检测流程图



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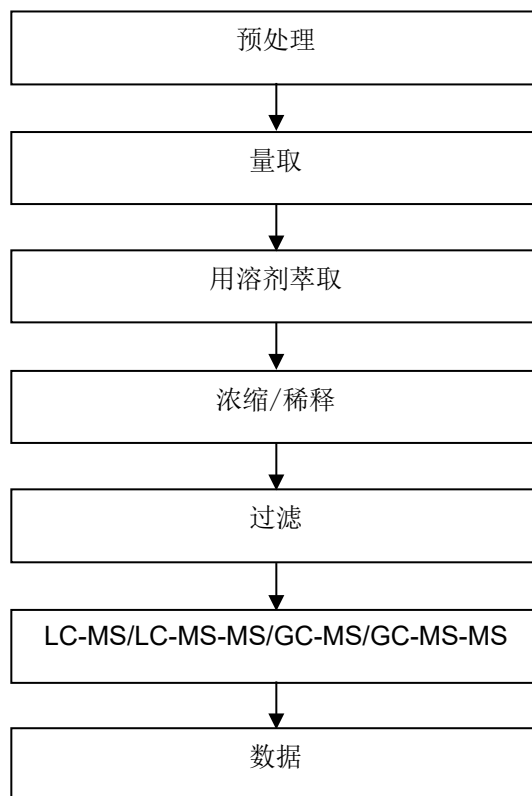
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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgsgroup.com.cn  
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## PFASs/ PFOS/PFOA 检测流程图



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SGS-CSTC (Shandong) Technical Services Co., Ltd.

SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

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t (86-532) 68999888 sgs.china@sgs.com

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NYX320



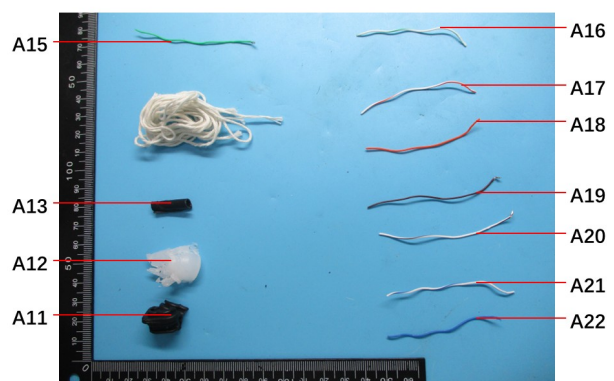
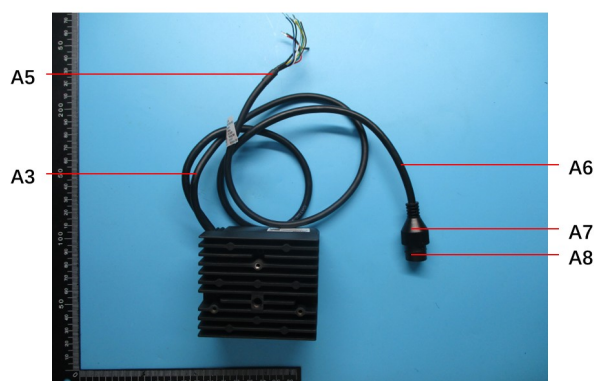
NYX310



DS62



DS63



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SGS-CSTC 检测技术有限公司  
Technical Services (Qingdao) Co., Ltd.

SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

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t (86-532) 68999888 sgs.china@sgs.com

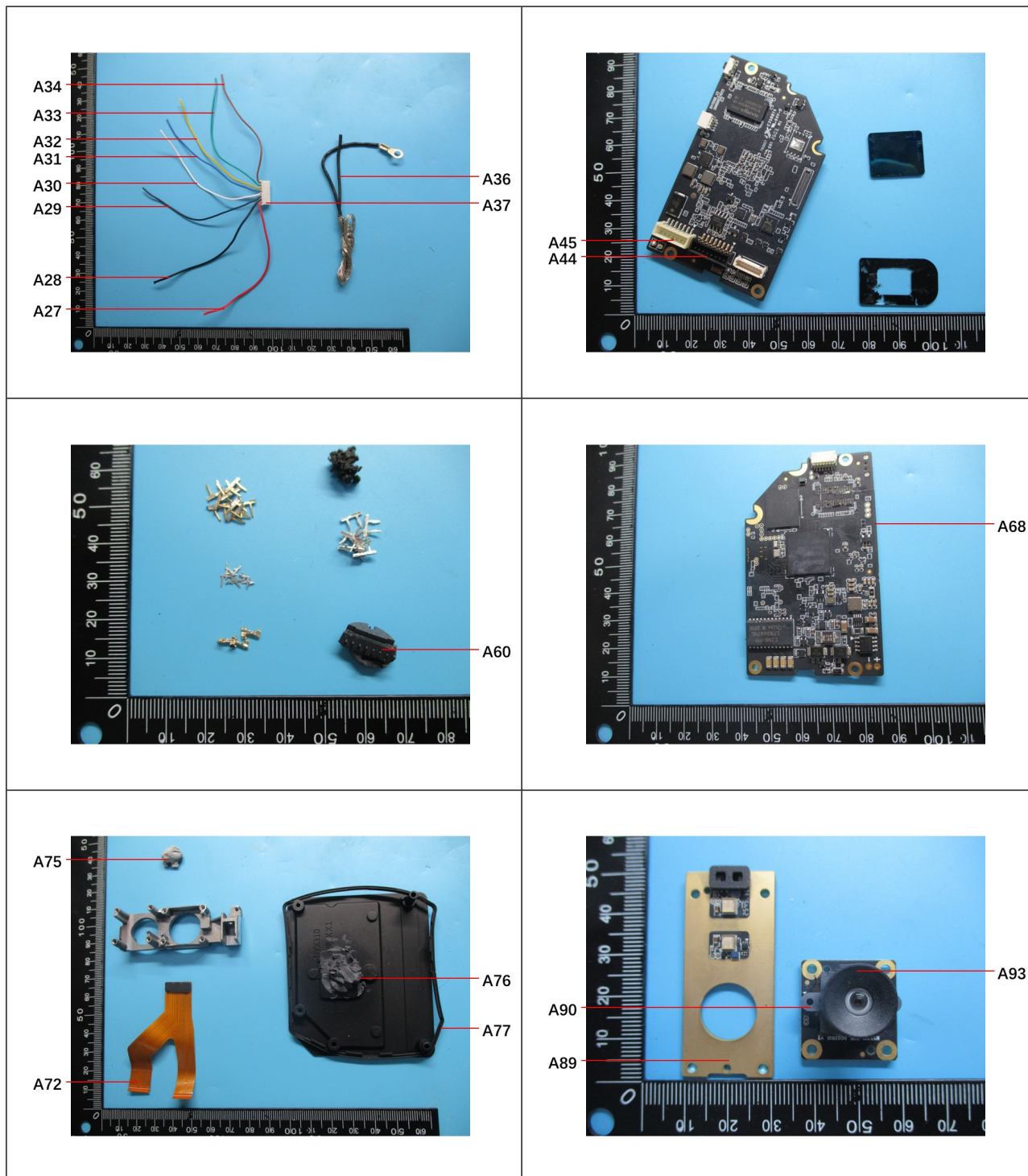
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SGS Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101  
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

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t (86-532) 68999888 sgs.china@sgs.com

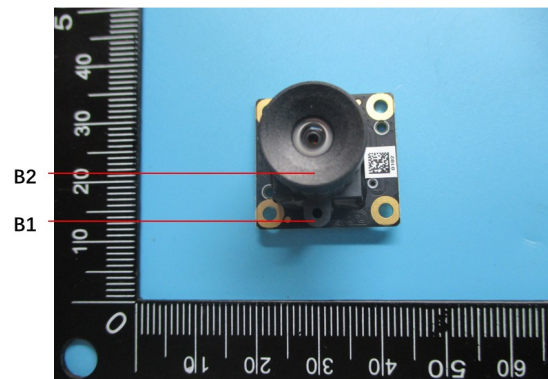
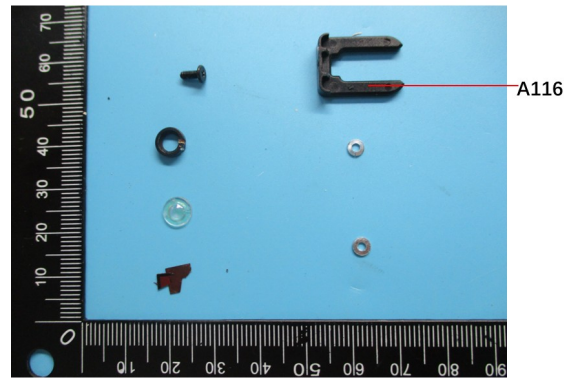
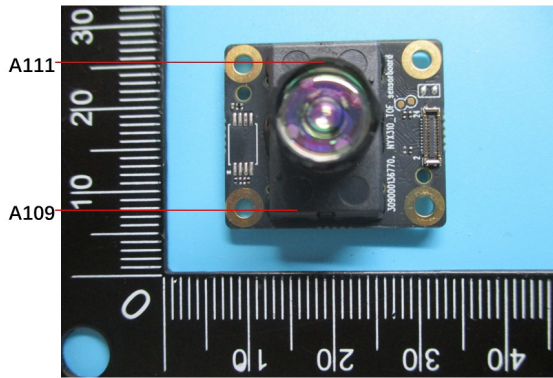
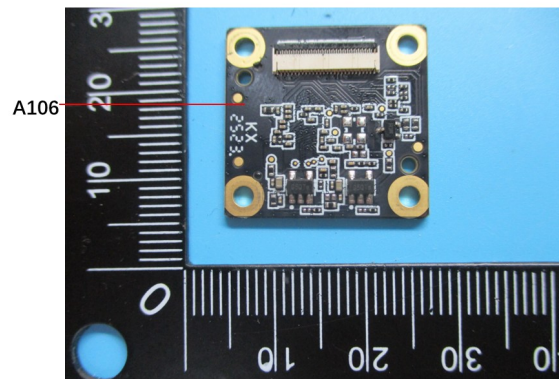
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中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

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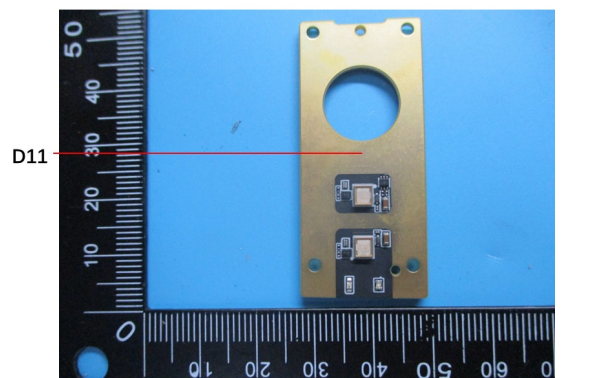
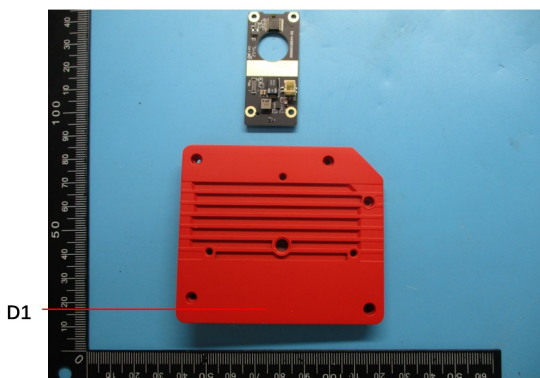
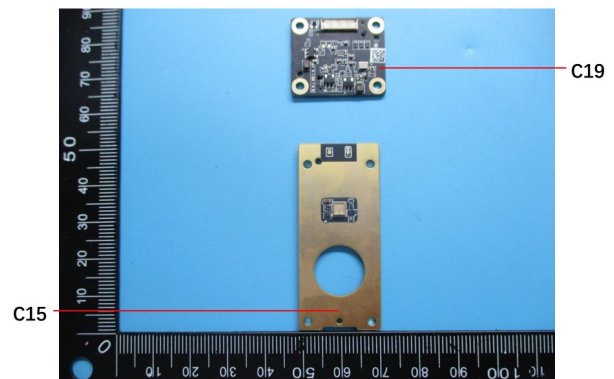
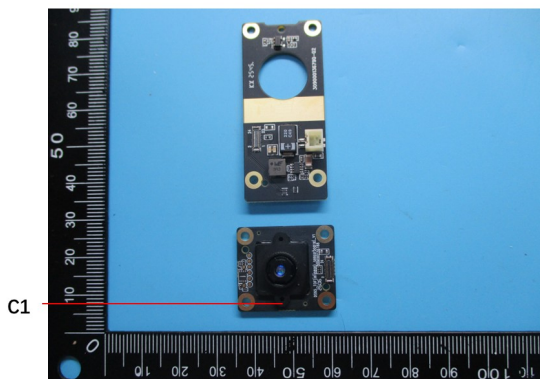
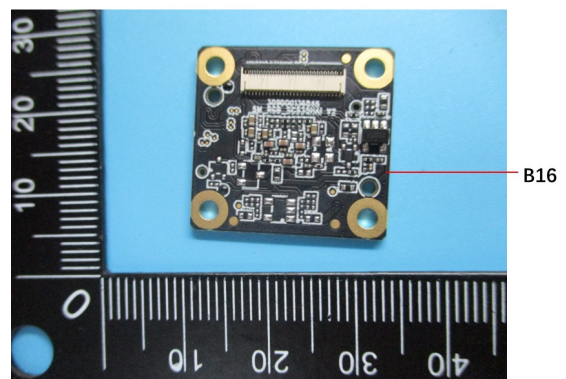
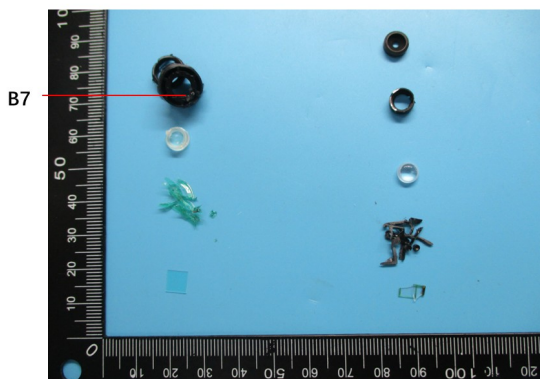
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t (86-532) 68999888 www.sgsgroup.com.cn  
t (86-532) 68999888 sgs.china@sgs.com

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