

检测报告

TEST REPORT

报告编号
REPORT NO. HC230826

样品名称
SAMPLE DESCRIPTION 有组织废气

委托单位
CLIENT 利诚检测认证集团股份有限公司

受检单位
INSPECTED COMPANY 迪爱生合成树脂（中山）有限公司

检测类别
TEST CATEGORY 委托检测

浙江九安检测科技有限公司

Zhejiang J&A Testing Technology Co., Ltd

检测报告

Test Report

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| | | | |
|------------------------------|--|---------------------------|----------------------------|
| 委托单位 Client | 利诚检测认证集团股份有限公司 | 地址 Address | 中山市火炬开发区神农路6号A2 幢B区5层之一 |
| 采样方 Sampling Organization | 浙江九安检测科技有限公司 | 采样地点 Sampling Location | 广东省中山市火炬开发区十涌路 15号 |
| 采样日期 Sampling Date | 2023.4.10 | 检测日期 Test Date | 2023.4.10 - 2023.4.23 |
| 样品名称 Sample Description | 有组织废气 | 检测类别 Test Category | 委托检测 |
| 样品描述 Sample Character | XAD2 树脂+滤筒+冷凝水 | | |
| 检测项目 Test Items | 二噁英类 | | |
| 检测依据 Test Requirements | 环境空气和废气 二噁英类的测定 同位素稀释高分辨气相色谱-高分辨质谱法 HJ 77.2-2008 | | |
| 评价标准 Evaluation Criterion | / | | |
| 检测结果 Test Results | 见报告内页 | | |
| 检测结论 Test Conclusion | / | | |
| 备注 Note | / | | |

批准人
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审核人
Verified by

编制人
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黄金丹

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| 有组织废气检测结果 | | | | | |
|-------------------------------|----------------------------|---------------------|-------|-------|-------|
| 采样点位 | | 1号废气排放口 (FQ-000273) | | | |
| 采样日期 | | 2023.4.10 | | | |
| 工艺设备名称/型号 | | 焚烧炉 | | | |
| 净化装置名称/型号 | | / | | | |
| 工况负荷 (%) | | 100 | | | |
| 烟囱高度 (m) | | 20 | | | |
| 燃烧物质 | | 天然气、有机废气 | | | |
| 管道截面积 (m ²) | | 0.6362 | | | |
| 采样频次 | | 第一次 | 第二次 | 第三次 | 均值 |
| 烟气参数 | 烟气温度 (°C) | 75 | 74 | 75 | / |
| | 烟气含湿量 (%) | 3.1 | 3.3 | 3.2 | |
| | 烟气流速 (m/s) | 6.4 | 6.4 | 6.1 | |
| | 实测烟气流量 (m ³ /h) | 14657 | 14657 | 13947 | |
| | 标干烟气流量 (m ³ /h) | 11120 | 11111 | 10598 | |
| | 含氧量 (%) | 18.7 | 18.5 | 18.5 | |
| 检测项目 | | 检测结果 | | | |
| 二噁英类 (ng TEQ/m ³) | | 0.022 | 0.038 | 0.031 | 0.030 |

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| 二噁英类异构体检测数据和计算结果 | | | | | | |
|---------------------|---------------------|-------------------|----------------------|--------------------|-------------|-------------------|
| 点位名称 | 1号废气排放口 (FQ-000273) | | 样品编号 | HC23082600101 | | |
| 频次 | 第一次 | 采样量 | 2.3481m ³ | 含氧量 | 18.7% | |
| 二噁英类 | | 实测浓度(ρ_s) | 换算浓度(ρ) | 检出限(ρ_{DL}) | 毒性当量浓度(TEQ) | |
| | | ng/m ³ | ng/m ³ | ng/m ³ | I-TEF | ng/m ³ |
| 多氯代二苯并对二噁英 | 2,3,7,8-TCDD | N.D. | 0.0039 | 0.001 | ×1 | 0.0039 |
| | 1,2,3,7,8-PeCDD | N.D. | 0.012 | 0.003 | ×0.5 | 0.006 |
| | 1,2,3,4,7,8-HxCDD | N.D. | 0.0078 | 0.002 | ×0.1 | 0.00078 |
| | 1,2,3,6,7,8-HxCDD | N.D. | 0.0078 | 0.002 | ×0.1 | 0.00078 |
| | 1,2,3,7,8,9-HxCDD | N.D. | 0.0078 | 0.002 | ×0.1 | 0.00078 |
| | 1,2,3,4,6,7,8-HpCDD | 0.004 | 0.031 | 0.001 | ×0.01 | 0.00031 |
| | OCDD | 0.009 | 0.070 | 0.001 | ×0.001 | 0.000070 |
| | PCDDs 总量 | 0.018 | 0.14 | - | - | 0.013 |
| 多氯代二苯并呋喃 | 2,3,7,8-TCDF | N.D. | 0.0039 | 0.001 | ×0.1 | 0.00039 |
| | 1,2,3,7,8-PeCDF | 0.001 | 0.0078 | 0.001 | ×0.05 | 0.00039 |
| | 2,3,4,7,8-PeCDF | N.D. | 0.0078 | 0.002 | ×0.5 | 0.0039 |
| | 1,2,3,4,7,8-HxCDF | 0.002 | 0.016 | 0.001 | ×0.1 | 0.0016 |
| | 1,2,3,6,7,8-HxCDF | 0.0015 | 0.012 | 0.0007 | ×0.1 | 0.0012 |
| | 1,2,3,7,8,9-HxCDF | N.D. | 0.0039 | 0.001 | ×0.1 | 0.00039 |
| | 2,3,4,6,7,8-HxCDF | N.D. | 0.0039 | 0.001 | ×0.1 | 0.00039 |
| | 1,2,3,4,6,7,8-HpCDF | 0.0051 | 0.040 | 0.0007 | ×0.01 | 0.0004 |
| | 1,2,3,4,7,8,9-HpCDF | N.D. | 0.0035 | 0.0009 | ×0.01 | 0.000035 |
| | OCDF | N.D. | 0.0078 | 0.002 | ×0.001 | 0.0000078 |
| PCDFs 总量 | 0.014 | 0.11 | - | - | 0.0087 | |
| 二噁英总量 (PCDDs+PCDFs) | | 0.032 | 0.25 | - | - | 0.022 |

备注: 实测浓度(ρ_s): 二噁英浓度测定值;
 换算浓度(ρ): 二噁英浓度的3%含氧量换算值;
 毒性当量浓度 (TEQ): 折算为相当于2,3,7,8-TCDD 的质量浓度;
 实测浓度低于检出限时, 计算毒性当量浓度以1/2检出限时。

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| 二噁英类异构体检测数据和计算结果 | | | | | | |
|---------------------|---------------------|-------------------|----------------------|--------------------|-------------|-------------------|
| 点位名称 | 1号废气排放口 (FQ-000273) | | 样品编号 | HC23082600102 | | |
| 频次 | 第二次 | 采样量 | 2.3511m ³ | 含氧量 | 18.5% | |
| 二噁英类 | | 实测浓度(ρ_s) | 换算浓度(ρ) | 检出限(ρ_{DL}) | 毒性当量浓度(TEQ) | |
| | | ng/m ³ | ng/m ³ | ng/m ³ | I-TEF | ng/m ³ |
| 多氯代二苯并二噁英 | 2,3,7,8-TCDD | N.D. | 0.0072 | 0.002 | ×1 | 0.0072 |
| | 1,2,3,7,8-PeCDD | N.D. | 0.0036 | 0.001 | ×0.5 | 0.0018 |
| | 1,2,3,4,7,8-HxCDD | N.D. | 0.0036 | 0.001 | ×0.1 | 0.00036 |
| | 1,2,3,6,7,8-HxCDD | N.D. | 0.0036 | 0.001 | ×0.1 | 0.00036 |
| | 1,2,3,7,8,9-HxCDD | N.D. | 0.0032 | 0.0009 | ×0.1 | 0.00032 |
| | 1,2,3,4,6,7,8-HpCDD | 0.004 | 0.029 | 0.001 | ×0.01 | 0.00029 |
| | OCDD | 0.01 | 0.072 | 0.003 | ×0.001 | 0.000072 |
| | PCDDs 总量 | 0.017 | 0.12 | - | - | 0.010 |
| 多氯代二苯并呋喃 | 2,3,7,8-TCDF | 0.004 | 0.029 | 0.001 | ×0.1 | 0.0029 |
| | 1,2,3,7,8-PeCDF | 0.004 | 0.029 | 0.002 | ×0.05 | 0.0014 |
| | 2,3,4,7,8-PeCDF | 0.005 | 0.036 | 0.002 | ×0.5 | 0.018 |
| | 1,2,3,4,7,8-HxCDF | N.D. | 0.0032 | 0.0009 | ×0.1 | 0.00032 |
| | 1,2,3,6,7,8-HxCDF | 0.003 | 0.022 | 0.002 | ×0.1 | 0.0022 |
| | 1,2,3,7,8,9-HxCDF | N.D. | 0.0072 | 0.002 | ×0.1 | 0.00072 |
| | 2,3,4,6,7,8-HxCDF | 0.003 | 0.022 | 0.001 | ×0.1 | 0.0022 |
| | 1,2,3,4,6,7,8-HpCDF | 0.0057 | 0.041 | 0.0008 | ×0.01 | 0.00041 |
| | 1,2,3,4,7,8,9-HpCDF | N.D. | 0.0036 | 0.001 | ×0.01 | 0.000036 |
| | OCDF | N.D. | 0.0072 | 0.002 | ×0.001 | 0.0000072 |
| PCDFs 总量 | 0.028 | 0.20 | - | - | 0.028 | |
| 二噁英总量 (PCDDs+PCDFs) | | 0.045 | 0.32 | - | - | 0.038 |

备注: 实测浓度(ρ_s): 二噁英浓度测定值;
 换算浓度(ρ): 二噁英浓度的3%含氧量换算值;
 毒性当量浓度 (TEQ): 折算为相当于2,3,7,8-TCDD 的质量浓度;
 实测浓度低于检出限时, 计算毒性当量浓度以1/2检出限时。

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| 二噁英类异构体检测数据和计算结果 | | | | | | |
|---------------------|---------------------|-------------------|----------------------|--------------------|-------------|-------------------|
| 点位名称 | 1号废气排放口 (FQ-000273) | | 样品编号 | HC23082600103 | | |
| 频次 | 第三次 | 采样量 | 2.3543m ³ | 含氧量 | 18.5% | |
| 二噁英类 | | 实测浓度(ρ_s) | 换算浓度(ρ) | 检出限(ρ_{DL}) | 毒性当量浓度(TEQ) | |
| | | ng/m ³ | ng/m ³ | ng/m ³ | I-TEF | ng/m ³ |
| 多氯代二苯并对二噁英 | 2,3,7,8-TCDD | N.D. | 0.0072 | 0.002 | ×1 | 0.0072 |
| | 1,2,3,7,8-PeCDD | N.D. | 0.0072 | 0.002 | ×0.5 | 0.0036 |
| | 1,2,3,4,7,8-HxCDD | N.D. | 0.014 | 0.004 | ×0.1 | 0.0014 |
| | 1,2,3,6,7,8-HxCDD | N.D. | 0.011 | 0.003 | ×0.1 | 0.0011 |
| | 1,2,3,7,8,9-HxCDD | N.D. | 0.011 | 0.003 | ×0.1 | 0.0011 |
| | 1,2,3,4,6,7,8-HpCDD | N.D. | 0.014 | 0.004 | ×0.01 | 0.00014 |
| | OCDD | N.D. | 0.0072 | 0.002 | ×0.001 | 0.0000072 |
| | PCDDs 总量 | 0.010 | 0.072 | - | - | 0.015 |
| 多氯代二苯并呋喃 | 2,3,7,8-TCDF | N.D. | 0.0072 | 0.002 | ×0.1 | 0.00072 |
| | 1,2,3,7,8-PeCDF | N.D. | 0.0036 | 0.001 | ×0.05 | 0.00018 |
| | 2,3,4,7,8-PeCDF | 0.0036 | 0.026 | 0.0009 | ×0.5 | 0.013 |
| | 1,2,3,4,7,8-HxCDF | N.D. | 0.0036 | 0.001 | ×0.1 | 0.00036 |
| | 1,2,3,6,7,8-HxCDF | N.D. | 0.0036 | 0.001 | ×0.1 | 0.00036 |
| | 1,2,3,7,8,9-HxCDF | N.D. | 0.0072 | 0.002 | ×0.1 | 0.00072 |
| | 2,3,4,6,7,8-HxCDF | N.D. | 0.0036 | 0.001 | ×0.1 | 0.00036 |
| | 1,2,3,4,6,7,8-HpCDF | 0.002 | 0.014 | 0.001 | ×0.01 | 0.00014 |
| | 1,2,3,4,7,8,9-HpCDF | N.D. | 0.0072 | 0.002 | ×0.01 | 0.000072 |
| | OCDF | N.D. | 0.011 | 0.003 | ×0.001 | 0.000011 |
| PCDFs 总量 | 0.012 | 0.087 | - | - | 0.016 | |
| 二噁英总量 (PCDDs+PCDFs) | | 0.022 | 0.16 | - | - | 0.031 |

备注: 实测浓度(ρ_s): 二噁英浓度测定值;
 换算浓度(ρ): 二噁英浓度的3%含氧量换算值;
 毒性当量浓度 (TEQ): 折算为相当于2,3,7,8-TCDD 的质量浓度;
 实测浓度低于检出限时, 计算毒性当量浓度以1/2检出限计。

报告结束 Test Report End