

## 检测报告

## 客户信息

## 实验室信息

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订单号	-	报告编号	TJE20-02167 R1
样品	废气(12)	SGS编号	000019781
项目	-	报告日期	2020/12/03

## 备注

- 1.结果适用于采样样品。
- 2.本报告替代报告TJE20-02167 R0，日期2020/11/20，原报告作废。

## 报告批准人

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### 符号表/Legend

- NA 样品未测试该参数/The sample was not analysed for this analyte
- ↑ 提高检出限/Detection limit raised
- ↓ 降低检出限/Detection limit lowered
- ND 未检出/Not Detected



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分析指标	方法	单位	检出限	限值	检测结果		
					20-02167.001 有组织	20-02167.002 有组织	20-02167.003 有组织
实验室编号					20-02167.001	20-02167.002	20-02167.003
检测类别					有组织	有组织	有组织
样品描述					-	-	-
采样日期					2020/11/13	2020/11/13	2020/11/13
采样位置	-	-	-	-	活性炭贮仓	活性炭贮仓	活性炭贮仓
采样时间	-	-	-	-	14:03-15:03	15:07-16:07	16:09-17:09
烟道截面积	-	m <sup>2</sup>	-	-	0.0100	0.0100	0.0100
排气筒高度	-	m	-	-	26	26	26
烟温	GB/T 16157	°C	-	-	22	23	22
烟气流速	GB/T 16157	m/s	-	-	6.9	6.7	6.8
含湿量	GB/T 16157	%	-	-	1.8	1.8	1.8
标干气量	GB/T 16157	m <sup>3</sup> /h	-	-	229	220	225
静压	GB/T 16157	kPa	-	-	-0.02	-0.03	-0.03
颗粒物(排放浓度)	GB/T 16157	mg/m <sup>3</sup>	20	≤120	<20	<20	<20
颗粒物(排放速率)	GB/T 16157	kg/h	-	≤16	<4.58×10 <sup>-3</sup>	<4.40×10 <sup>-3</sup>	<4.50×10 <sup>-3</sup>



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分析指标	方法	单位	检出限	限值	检测结果		
					20-02167.004 有组织	20-02167.005 有组织	20-02167.006 有组织
实验室编号					20-02167.004	20-02167.005	20-02167.006
检测类别					有组织	有组织	有组织
样品描述					-	-	-
采样日期					2020/11/26	2020/11/26	2020/11/26
采样位置	-	-	-	-	飞灰贮仓	飞灰贮仓	飞灰贮仓
采样时间	-	-	-	-	10:09-11:09	11:17-12:17	12:25-13:25
烟道截面积	-	m <sup>2</sup>	-	-	0.0750	0.0750	0.0750
排气筒高度	-	m	-	-	26	26	26
烟温	GB/T 16157	°C	-	-	30	30	32
烟气流速	GB/T 16157	m/s	-	-	10.5	10.2	10.4
含湿量	GB/T 16157	%	-	-	1.3	1.3	1.3
标干气量	GB/T 16157	m <sup>3</sup> /h	-	-	2.56 X 10 <sup>3</sup>	2.48 X 10 <sup>3</sup>	2.51 X 10 <sup>3</sup>
静压	GB/T 16157	kPa	-	-	0.00	0.00	0.00
颗粒物(排放浓度)	GB/T 16157	mg/m <sup>3</sup>	20	≤120	<20	<20	<20
颗粒物(排放速率)	GB/T 16157	kg/h	-	≤16	<0.0512	<0.0496	<0.0502



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分析指标	方法	单位	检出限	限值	检测结果		
					20-02167.007 有组织	20-02167.008 有组织	20-02167.009 有组织
实验室编号					20-02167.007	20-02167.008	20-02167.009
检测类别					有组织	有组织	有组织
样品描述					-	-	-
采样日期					2020/11/26	2020/11/26	2020/11/26
采样位置	-	-	-	-	石灰贮仓	石灰贮仓	石灰贮仓
采样时间	-	-	-	-	10:18-11:18	11:22-12:22	12:24-13:24
烟道截面积	-	m <sup>2</sup>	-	-	0.0180	0.0180	0.0180
排气筒高度	-	m	-	-	26	26	26
烟温	GB/T 16157	°C	-	-	20	19	19
烟气流速	GB/T 16157	m/s	-	-	10.9	10.7	10.3
含湿量	GB/T 16157	%	-	-	1.1	1.1	1.1
标干气量	GB/T 16157	m <sup>3</sup> /h	-	-	661	650	626
静压	GB/T 16157	kPa	-	-	0.00	-0.01	0.00
颗粒物(排放浓度)	GB/T 16157	mg/m <sup>3</sup>	20	≤120	<20	<20	<20
颗粒物(排放速率)	GB/T 16157	kg/h	-	≤16	<0.0132	<0.0130	<0.0125



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分析指标	方法	单位	检出限	限值	检测结果		
					20-02167.010 有组织	20-02167.011 有组织	20-02167.012 有组织
实验室编号					20-02167.010	20-02167.011	20-02167.012
检测类别					有组织	有组织	有组织
样品描述					-	-	-
采样日期					2020/11/26	2020/11/26	2020/11/26
采样位置	-	-	-	-	焚烧炉2#废气排口	焚烧炉2#废气排口	焚烧炉2#废气排口
采样时间	-	-	-	-	14:01-15:01	15:06-16:07	16:12-17:12
烟道截面积	-	m <sup>2</sup>	-	-	2.0106	2.0106	2.0106
排气筒高度	-	m	-	-	80	80	80
烟温	GB/T 16157	°C	-	-	159	156	154
烟气流速	GB/T 16157	m/s	-	-	14.1	13.9	13.3
含湿量	GB/T 16157	%	-	-	20.1	21.1	19.9
标干气量	GB/T 16157	m <sup>3</sup> /h	-	-	5.22 X 10 <sup>4</sup>	5.11 X 10 <sup>4</sup>	4.99 X 10 <sup>4</sup>
静压	GB/T 16157	kPa	-	-	-0.15	-0.16	-0.17
氧含量	SEPA 2003	%	-	-	9.3	10.5	8.2
汞(排放浓度)	HJ 543	mg/m <sup>3</sup>	0.0025	-	<0.0025	<0.0025	<0.0025
汞(折算浓度)	HJ 543	mg/m <sup>3</sup>	-	≤0.05	<2.14×10 <sup>-3</sup>	<2.38×10 <sup>-3</sup>	<1.95×10 <sup>-3</sup>
汞(排放速率)	HJ 543	kg/h	-	-	<1.30×10 <sup>-4</sup>	<1.28×10 <sup>-4</sup>	<1.25×10 <sup>-4</sup>
铬(排放浓度)	HJ 657	µg/m <sup>3</sup>	0.15	-	<b>5.2</b>	<b>2.8</b>	<b>4.6</b>
铬(折算浓度)	HJ 657	µg/m <sup>3</sup>	-	-	4.46	2.68	3.58
铬(排放速率)	HJ 657	kg/h	-	-	2.74×10 <sup>-4</sup>	1.44×10 <sup>-4</sup>	2.29×10 <sup>-4</sup>
铈(排放浓度)	HJ 657	µg/m <sup>3</sup>	0.005	-	<0.005	<0.005	<b>0.007</b>
铈(折算浓度)	HJ 657	µg/m <sup>3</sup>	-	-	<4.25×10 <sup>-3</sup>	<4.75×10 <sup>-3</sup>	5.39×10 <sup>-3</sup>
铈(排放速率)	HJ 657	kg/h	-	-	<2.61×10 <sup>-7</sup>	<2.56×10 <sup>-7</sup>	3.45×10 <sup>-7</sup>
铜(排放浓度)	HJ 657	µg/m <sup>3</sup>	0.1	-	<b>0.4</b>	<b>0.3</b>	<b>5.9</b>
铜(折算浓度)	HJ 657	µg/m <sup>3</sup>	-	-	0.372	0.292	4.59
铜(排放速率)	HJ 657	kg/h	-	-	2.29×10 <sup>-5</sup>	1.57×10 <sup>-5</sup>	2.93×10 <sup>-4</sup>
锰(排放浓度)	HJ 657	µg/m <sup>3</sup>	0.04	-	<b>1.7</b>	<b>1.2</b>	<b>7.7</b>
锰(折算浓度)	HJ 657	µg/m <sup>3</sup>	-	-	1.46	1.14	6.00
锰(排放速率)	HJ 657	kg/h	-	-	8.98×10 <sup>-5</sup>	6.14×10 <sup>-5</sup>	3.84×10 <sup>-4</sup>
铈(排放浓度)	HJ 657	µg/m <sup>3</sup>	0.015	-	<b>0.24</b>	<b>0.093</b>	<b>0.037</b>
铈(折算浓度)	HJ 657	µg/m <sup>3</sup>	-	-	0.207	0.0886	0.0285
铈(排放速率)	HJ 657	kg/h	-	-	1.27×10 <sup>-5</sup>	4.77×10 <sup>-6</sup>	1.82×10 <sup>-6</sup>
砷(排放浓度)	HJ 657	µg/m <sup>3</sup>	0.1	-	<b>0.2</b>	<0.1	<0.1
砷(折算浓度)	HJ 657	µg/m <sup>3</sup>	-	-	0.136	<b>&lt;0.0950</b>	<b>&lt;0.0780</b>
砷(排放速率)	HJ 657	kg/h	-	-	8.35×10 <sup>-6</sup>	<5.11×10 <sup>-6</sup>	<4.99×10 <sup>-6</sup>
镉(排放浓度)	HJ 657	µg/m <sup>3</sup>	0.005	-	<b>0.059</b>	<b>0.021</b>	<b>0.11</b>
镉(折算浓度)	HJ 657	µg/m <sup>3</sup>	-	-	0.0500	0.0195	0.0864
镉(排放速率)	HJ 657	kg/h	-	-	3.07×10 <sup>-6</sup>	1.05×10 <sup>-6</sup>	5.53×10 <sup>-6</sup>
钴(排放浓度)	HJ 657	µg/m <sup>3</sup>	0.005	-	<b>0.083</b>	<b>0.053</b>	<b>0.34</b>
钴(折算浓度)	HJ 657	µg/m <sup>3</sup>	-	-	0.0704	0.0499	0.266
钴(排放速率)	HJ 657	kg/h	-	-	4.32×10 <sup>-6</sup>	2.69×10 <sup>-6</sup>	1.70×10 <sup>-5</sup>
铅(排放浓度)	HJ 657	µg/m <sup>3</sup>	0.1	-	<b>0.7</b>	<b>0.3</b>	<b>2.5</b>
铅(折算浓度)	HJ 657	µg/m <sup>3</sup>	-	-	0.556	0.260	1.91
铅(排放速率)	HJ 657	kg/h	-	-	3.41×10 <sup>-5</sup>	1.40×10 <sup>-5</sup>	1.22×10 <sup>-4</sup>
镍(排放浓度)	HJ 657	µg/m <sup>3</sup>	0.1	-	<b>2.9</b>	<b>1.9</b>	<b>9.5</b>
镍(折算浓度)	HJ 657	µg/m <sup>3</sup>	-	-	2.50	1.79	7.42
镍(排放速率)	HJ 657	kg/h	-	-	1.53×10 <sup>-4</sup>	9.66×10 <sup>-5</sup>	4.75×10 <sup>-4</sup>



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## 方法列表

- GB/T 16157-1996 固定污染源排气中颗粒物测定与气态污染物采样方法
- SEPA 2003 《空气和废气监测分析方法》(第四版)国家环境保护总局(2003)
- GB/T 16157-1996 及其修改单 固定污染源排气中颗粒物测定与气态污染物采样方法
- HJ 543-2009 固定污染源废气 汞的测定 冷原子吸收分光光度法(暂行)
- HJ 657-2013 及修改单 空气和废气 颗粒物中铅等金属元素的测定 电感耦合等离子体质谱法



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**方法:采样仪器信息(Sampling equipment information)\***

仪器名称	型号	仪器编号	出厂序号
双气路烟气采样器	ZR-3710	ENV555	371019031783
低浓度自动烟尘烟气综合测试仪	ZR-3260D	ENV559	3260D19058379
低浓度自动烟尘烟气综合测试仪	ZR-3260D	ENV595	3260D19068609
低浓度自动烟尘烟气综合测试仪	ZR-3260D	ENV596	3260D19068594

**方法:GB/T 16157-1996**

仪器名称	型号	仪器编号	出厂序号
低浓度自动烟尘烟气综合测试仪	ZR-3260D	ENV559	3260D19058379
低浓度自动烟尘烟气综合测试仪	ZR-3260D	ENV595	3260D19068609
低浓度自动烟尘烟气综合测试仪	ZR-3260D	ENV596	3260D19068594

**方法:SEPA 2003**

仪器名称	型号	仪器编号	出厂序号
低浓度自动烟尘烟气综合测试仪	ZR-3260D	ENV559	3260D19058379
低浓度自动烟尘烟气综合测试仪	ZR-3260D	ENV595	3260D19068609
低浓度自动烟尘烟气综合测试仪	ZR-3260D	ENV596	3260D19068594

**方法:GB/T 16157-1996**

仪器名称	型号	仪器编号	出厂序号
电子天平	BSA224S	CHEM-004-F	24091763

**方法:HJ 543-2009**

仪器名称	型号	仪器编号	出厂序号
测汞仪	DMA-80	CHEM-015-C	17032196

**方法:HJ 657-2013**

仪器名称	型号	仪器编号	出厂序号
电感耦合等离子体质谱仪	NEXION 350X	CHEM-080-A	85XN6101801



项目 样品编号	镉、铊及其化合物	锑、砷、铅、铬、钴、铜、锰、镍及其化合物	限值	
	排放浓度 ( $\mu\text{g}/\text{m}^3$ )	排放浓度 ( $\mu\text{g}/\text{m}^3$ )	镉、铊及其化合物 ( $\mu\text{g}/\text{m}^3$ )	锑、砷、铅、铬、钴、铜、锰、镍及其化合物 ( $\mu\text{g}/\text{m}^3$ )
TJE20-02167.010	0.0500	9.76	100	1000
TJE20-02167.011	0.0195	6.30		
TJE20-02167.012	0.0918	23.8		

\*\*\* 报告结束 \*\*\*



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