



172300050572

单位登记号:	510107000126
项目编号:	CDSHCJCJSYXGS631 1-0003

检测报告



报告编号 A2210054131116002Cb

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项目名称 工业废气（有组织）

委托单位 仁寿川能环保能源有限公司

委托单位地址 仁寿县宝马镇高照村 7 社

检测类别 委托检测

报告日期 2021 年 09 月 29 日

成都市华测检测技术有限公司



No. 3004020ABA

报告说明

报告编号: A2210054131116002Cb

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联系地址: 成都市高新区新盛路 32 号

邮政编码: 610041

电话: 028-85325707

传真: 028-86283211

编 制:	<u>喻诗琪</u>	签 发:	<u>王勇</u>
审 核:	<u>唐甜</u>	签发人姓名/职务:	<u>王勇/实验室负责人</u>
采 样 地 址:	<u>仁寿县宝马镇高照村 7 社</u>	签 发 日 期:	<u>2021/09/29</u>

检测结果

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表1 工业废气(有组织)

样品信息								
采样日期		2021.09.22		检测日期		2021.09.22~24		
样品状态		吸收液、滤筒						
检测结果								
检测点位置		检测项目		实测浓度 mg/m ³	排放浓度 mg/m ³	排放速率 kg/h	生活垃圾焚烧污染 控制标准（含修改单） GB 18485-2014 表 4 mg/m ³	排气筒 高度 m
1#焚烧炉 烟囱排气筒 采样口		汞 及其化合物	第一次	ND	ND	/	0.05 （测定均值）	80
			第二次	ND	ND	/		
			第三次	ND	ND	/		
			平均值	ND	ND	/		
		镉+铊 及其化合物	第一次	3.1×10 ⁻⁵	2.4×10 ⁻⁵	2.0×10 ⁻⁶	0.1 （以 Cd+Tl 计）	
			第二次	3.9×10 ⁻⁵	2.8×10 ⁻⁵	2.6×10 ⁻⁶		
			第三次	3.1×10 ⁻⁵	2.5×10 ⁻⁵	2.0×10 ⁻⁶		
			平均值	3.4×10 ⁻⁵	2.6×10 ⁻⁵	2.2×10 ⁻⁶		
		锑+砷+铅+ 铬+钴+铜+ 锰+镍及其 化合物	第一次	0.0355	0.0277	2.3×10 ⁻³	1.0 （以 Sb+As+Pb+Cr+ Co+Cu+Mn+Ni 计）	
			第二次	0.0192	0.0138	1.3×10 ⁻³		
			第三次	0.0154	0.0123	1.0×10 ⁻³		
			平均值	0.0234	0.0179	1.5×10 ⁻³		
2#焚烧炉 烟囱排气筒 采样口		汞 及其化合物	第一次	ND	ND	/	0.05 （测定均值）	80
			第二次	ND	ND	/		
			第三次	ND	ND	/		
			平均值	ND	ND	/		
		镉+铊 及其化合物	第一次	2.4×10 ⁻⁵	1.8×10 ⁻⁵	1.6×10 ⁻⁶	0.1 （以 Cd+Tl 计）	
			第二次	5.9×10 ⁻⁵	4.6×10 ⁻⁵	3.8×10 ⁻⁶		
			第三次	3.8×10 ⁻⁵	3.5×10 ⁻⁵	2.1×10 ⁻⁶		
			平均值	4.0×10 ⁻⁵	3.3×10 ⁻⁵	2.5×10 ⁻⁶		
		锑+砷+铅+ 铬+钴+铜+ 锰+镍及其 化合物	第一次	0.0088	0.0068	6.0×10 ⁻⁴	1.0 （以 Sb+As+Pb+Cr+ Co+Cu+Mn+Ni 计）	
			第二次	0.0214	0.0169	1.4×10 ⁻³		
			第三次	0.0121	0.0111	6.7×10 ⁻⁴		
			平均值	0.0141	0.0116	8.9×10 ⁻⁴		

（本表为复印件）

检测结果

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接上表:

注: 1. “ND” 表示检测结果小于检出限。

2. “/” 表示检测项目的排放浓度小于检出限, 故排放速率无需计算。

3. 该表排放浓度以 11% 为基准氧含量折算。

结论:

参照《生活垃圾焚烧污染控制标准(含修改单)》(GB 18485-2014) 表 4 标准, 本次检测时段内以上检测项目均符合该参照标准限值要求。

附: 排气参数

检测点位置		结果					
		温度 (°C)	压力 (Pa)	流速 (m/s)	标干流量 (N·m³/h)	氧含量 (%)	湿度 (%)
1#焚烧炉烟囱 排气筒 采样口	第一次	143.2	164	16.7	63064	8.2	25.33
	第二次	146.2	177	17.4	65878	7.1	24.53
	第三次	146.5	168	16.9	64178	8.4	24.18
2#焚烧炉烟囱 排气筒 采样口	第一次	148.5	197	18.4	67834	8.0	26.28
	第二次	149.1	174	17.3	63647	8.3	26.32
	第三次	149.2	131	15.0	55081	10.1	26.47

表 2 检测方法 & 主要仪器信息

工业废气(有组织)			单位: mg/m³
检测项目	检测方法 & 方法来源	检出限	主要仪器 (名称、型号及编号)
汞及其化合物	固定污染源废气 汞的测定 冷原子吸收分光光度法(暂行) HJ 543-2009	0.0025	微分测汞仪 WCG-209 (TTE20110287)
镉及其化合物	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 (含修改单) HJ 657-2013	8×10^{-6}	电感耦合等离子体 质谱仪 NexION 350X (TTE20151922)
铊及其化合物		8×10^{-6}	
铋及其化合物		2×10^{-5}	
砷及其化合物		2×10^{-4}	
铅及其化合物		2×10^{-4}	
铬及其化合物		3×10^{-4}	
钴及其化合物		8×10^{-6}	
铜及其化合物		2×10^{-4}	
锰及其化合物		7×10^{-5}	
镍及其化合物		1×10^{-4}	

报告结束



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委托单位地址 仁寿县宝马镇高照村 7 社

检测类别 委托检测

报告日期 2021 年 09 月 29 日

成都市华测检测技术有限公司

检验检测专用章

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样品信息									
采样日期		2021.09.22		检测日期		2021.09.22~24			
样品状态		吸收液、滤筒							
检测结果									
检测点位置		检测项目		实测浓度 mg/m ³	排放浓度 mg/m ³	排放速率 kg/h	生活垃圾焚烧污染 控制标准（含修改单） GB 18485-2014 表 4 mg/m ³	排气筒 高度 m	
1#焚烧炉 烟囱排气筒 采样口		汞 及其化合物		第一次	ND	ND	/	0.05 （测定均值）	80
				第二次	ND	ND	/		
				第三次	ND	ND	/		
				平均值	ND	ND	/		
		镉+铊 及其化合物		第一次	3.1×10 ⁻⁵	2.4×10 ⁻⁵	2.0×10 ⁻⁶	0.1 （以 Cd+Tl 计）	
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3. 该表排放浓度以 11%为基准氧含量折算。

结论:

参照《生活垃圾焚烧污染控制标准(含修改单)》(GB 18485-2014)表 4 标准, 本次检测时段内以上检测项目均符合该参照标准限值要求。

附: 排气参数

检测点位置		结果					
		温度 (℃)	压力 (Pa)	流速 (m/s)	标干流量 (N·m³/h)	氧含量 (%)	湿度 (%)
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检测项目	检测方法与方法来源	检出限	主要仪器 (名称、型号及编号)
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镉及其化合物	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 (含修改单) HJ 657-2013	8×10 ⁻⁶	电感耦合等离子体 质谱仪 NexION 350X (TTE20151922)
铊及其化合物		8×10 ⁻⁶	
铋及其化合物		2×10 ⁻⁵	
砷及其化合物		2×10 ⁻⁴	
铅及其化合物		2×10 ⁻⁴	
铬及其化合物		3×10 ⁻⁴	
钴及其化合物		8×10 ⁻⁶	
铜及其化合物		2×10 ⁻⁴	
锰及其化合物		7×10 ⁻⁵	
镍及其化合物		1×10 ⁻⁴	

报告结束



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单位登记号:	510107000126
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检测报告



报告编号 A2210054131116002Ca

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项目名称 工业废气（有组织）

委托单位 仁寿川能环保能源有限公司

委托单位地址 仁寿县宝马镇高照村 7 社

检测类别 委托检测

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邮政编码: 610041

电话: 028-85325707

传真: 028-86283211

编 制:

喻诗琪

签 发:

王勇

审 核:

唐甜

签发人姓名/职务:

王勇/实验室负责人

采 样 地 址:

仁寿县宝马镇高照村 7 社

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表 1 工业废气 (有组织)

样品信息							
采样日期	2021.09.22			检测日期	2021.09.22~24		
样品状态	采样头、吸收液						
检测结果							
检测点位置	检测项目		实测浓度 mg/m ³	排放浓度 mg/m ³	排放速率 kg/h	生活垃圾焚烧污染 控制标准（含修改单） GB 18485-2014 表 4 mg/m ³	排气筒 高度 m
1#焚烧炉烟气 处理后 排气筒 采样口	颗粒物		ND	ND	/	30 (1 小时均值)	80
	氯化氢		8.02	6.27	0.51	60 (1 小时均值)	
	氟化氢		ND	ND	/	---	
	氮氧化 化物	第一次	253	182	16	300 (1 小时均值)	
		第二次	324	228	21		
		第三次	220	179	14		
		第四次	222	173	14		
		平均值	255	190	16		
	二氧化 化硫	第一次	ND	ND	/	100 (1 小时均值)	
		第二次	ND	ND	/		
		第三次	6	5	0.38		
		第四次	4	3	0.26		
		平均值	3	3	0.21		
	一氧 化碳	第一次	ND	ND	/	100 (1 小时均值)	
		第二次	ND	ND	/		
		第三次	ND	ND	/		
		第四次	ND	ND	/		
		平均值	ND	ND	/		

注：1. “ND”表示检测结果小于检出限，参与统计平均时以 1/2 检出限浓度数值进行计算。

2. “/”表示检测项目的排放浓度小于检出限，故排放速率无需计算。

3. “---”表示 GB 18485-2014 表 4 标准中未对该项目作限制。

4. 该表排放浓度以 11%为基准氧含量折算。

结论：

参照《生活垃圾焚烧污染控制标准（含修改单）》（GB 18485-2014）表 4 标准，本次检测时段内氟化氢检测项目未作限制，不予评价；其余检测项目均符合该参照标准限值要求。

检测结果

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接上表:

附：排气参数								
检测点位置	检测项目		结果					
			温度 (℃)	压力 (Pa)	流速 (m/s)	标干流量 (N·m³/h)	氧含量 (%)	湿度 (%)
1#焚烧炉 排气筒 采样口	颗粒物、氯化氢、氟化氢		149.8	167	16.9	63892	8.2	23.89
	二氧化硫、 氮氧化物、 一氧化碳	第一次	149.8	167	16.9	63892	7.1	23.89
		第二次	149.8	167	16.9	63892	6.8	23.89
		第三次	149.8	167	16.9	63892	8.7	23.89
		第四次	149.8	167	16.9	63892	8.2	23.89

表 2 检测方法 & 主要仪器信息

工业废气 (有组织)			单位: mg/m³
检测项目	检测方法 & 方法来源	检出限	主要仪器 (名称、型号及编号)
颗粒物	固定污染源废气 低浓度颗粒物的测定 重量法 HJ 836-2017	1.0	电子天平 SECURA225D-1CN (TTE20192553)
氯化氢	环境空气和废气 氯化氢的测定 离子色谱法 HJ 549-2016	0.2	离子色谱仪 ICS-1100 (TTE20131301)
氟化氢	固定污染源废气 氟化氢的测定 离子色谱法 HJ 688-2019	0.08	离子色谱仪 ICS-1100 (TTE20131301)
二氧化硫	固定污染源废气 二氧化硫的测定 定电位电解法 HJ 57-2017	3	低浓度自动烟尘烟气 综合测试仪 ZR-3260D(A) (TTE20212693)
氮氧化物	固定污染源废气 氮氧化物的测定 定电位电解法 HJ 693-2014	3	
一氧化碳	固定污染源排气中一氧化碳的测定 非色散红外吸收法 HJ/T 44-1999	20	便携式红外气体分析仪 MODEL3080 (TTE20178031)

报告结束

**CENTRE TESTING INTERNATIONAL
TERMS AND CONDITIONS OF BUSINESS**

1. Centre Testing International Group Co., Ltd. (including its affiliated company hereinafter "the Company") will provide services to person or body on request (hereinafter "the Principal") in accordance with and subject to the terms and conditions herein contained (hereinafter "the Condition"). Until otherwise notified in written agreement between the Company and the Principal, services provided by the Company shall be bound by and subject to all provisions of the Conditions.
2. All rights (included but not limited to copyright) in any test reports, test results, inspection certificates or other materials produced by the Company in the course of providing its services shall remain vested in the Company.
3. The Company undertakes to exercise reasonable caution and accurate scientific method in the performance of its services and accepts responsibility only where such method and caution is not exercised. The Company shall not be liable in respect of any circumstances for more than 10 times the amount of such service charge or agent fee nor more than the total amount of the contract. The Company shall have no liability in respect of any claims for indirect loss including loss of profit and/or loss of future business and/or cancellation of contracts entered into by the Principal.
4. The Company shall not in any event be liable for any loss because of any delay in performance or non-performance of any of its services when the delay is caused by any reason whatsoever that is beyond the Company's control, including but not limited to the following reasons: force majeure happens; the Principal fails to fulfill the obligations in accordance with the contract; due to the Principal's appointment; the loss and damage sustained by the Principal; there is a change to relevant laws, regulations and standards.
5. Test reports, test results or inspection certificates issued following test or analysis of samples stand the Company's specific opinion only. In no case shall the Company's responsibility extend to test reports, test results or inspection certificates on the sample. The Company shall have no liability in respect of any direct or indirect loss whatsoever caused by use of the test reports, test results or inspection certificates.
6. The Company can delegate the performance of the whole or any part of the services contracted with the Principal to any affiliated company or subcontractor without prior written/oral agreement of the Principal. The Company will ensure that instructions to the affiliated company or subcontractor are given and are accompanied by sufficient information to enable the required services to be performed effectively. The Company is deemed to fulfill his obligation when affiliated company of the Company and subcontractors exercising their rights and performing their obligations.
7. If the requirements of the Principal necessitate the analysis of samples by the Principal or by any third party, the Company will pass on the results of the analysis but without responsibility for accuracy of analysis results.
8. The Principal will:
 - (1) Supply, as the Company required, all necessary samples, information and technical documents, and ensures the truthfulness, integrity, legality and effectiveness; ensure samples, information and technical documents provided with no infringement which included but not limited to the violation of intellectual property rights and other rights.
 - (2) Ensure all necessary measures are taken for safety and security of working conditions, sites and installations during performance of the required service.
 - (3) Inform the Company in advance of any known hazards or dangers related to samples, actual or potential, associated with any request for the provision of services by the Company included but not limited to the presence or risk of radiation, toxic or explosive elements or materials, or other potential dangers to human, to thing or to the environment.
 - (4) Take all necessary steps to ensure safe transformation and transfer of samples. The samples shall be cared and be packed properly to eliminate or remedy any obstruction to or interruptions in the performance of the required services when samples delivered by mail. The Company is not liable for loss or damage incurred in the process of delivery.
 - (5) Be subject to the liabilities of compensation for any loss, damage or expense of whatsoever nature and howsoever arising relating to the violation of the terms and conditions of business by the Principal.
9. The Principal shall pay the Company punctually within the time the Principal and the Company has agreed upon. The Principal shall not be entitled to retain or deferring payment of any sums due to the Company on account of any dispute, cross claim or set off which may allege against the Company.
10. The Company shall be entitled to store the left sample (or any of them) in accordance with the sample's characters and internal management system. Upon the expiry of retaining period, if the samples are not collected by the Principal, at the sole discretion of the company the samples may be sealed as they are abandoned and/or can be destroyed. The expenses by sample delivery to the Principal shall reclaim from the Principal.
11. The Company shall pledge and undertake prescribed confidentiality obligation of technical information, materials and unofficial publications provided by the Principal. Meanwhile, the Principal shall pledge and undertake prescribed confidentiality obligation of any materials from the Company including environment conditions, manufacturing techniques and process. Unless on mutual written agreement, neither of the two parties could disclose the following contents to a third party: scope of cooperation, contents, cooperation mode, expense; rights and obligations of both parties; the process of handling appeals. Either party who violated the condition shall be subject to legal and economic responsibility.
12. In the event of any suspension of bankruptcy, insolvency, receivership or cessation of business or the Principal failing to pay part of any sums owing to the Company, the Company shall be entitled to suspend all performance of the service and withholding the issue of test report, test result, inspection certificate or any other material requested forthwith and without liability until payment of all sums owing to the Company together with interest thereon is settled.
13. In the event of the Company being prevented by reason of any cause whatsoever beyond the Company's control including but not limited to the Principal requirement from completing the service for which an agreement has been made, the Principal shall pay the Company the expenditure actually occurred equaling the proportion of the services already carried out.
14. The Company shall have no liability to the Principal for delay in performance of any of its services for the lack of technology or test equipment within time notification to the Principal.
15. The Company shall not in any event be liable for any disputes as a result of inappropriate behavior by the Principal which includes but not limited to: unilateral modification by the Principal on test reports; extracting of test information from test reports; breaching the duty of clause 8(1) offering illegal samples or technical information.
16. The results of testing, calibration or inspection shall be deemed as accepted by the Principal unless any written disagreement is raised within 15 working days from the day that the Principal receive the test reports, test results or inspection certificate. The written disagreement mentioned above must include the original copy of such reports and prepaid retesting fee. If the written disagreement is incomplete and the Principal fails to complete it within 15 working days mentioned above, the results testing, calibration or inspection will still be deemed as being accepted by the Principal.
17. All contracts for provision of services by the Company and the Conditions shall be construed in accordance with and governed by the laws of the People's Republic of China and for the purpose of any arbitral or litigation proceedings such contracts shall be deemed to have been made and performed in PRC unless otherwise specified herein. If any provision contained in the Conditions is and/or becomes invalid, illegal or unenforceable in any respect under the laws of PRC, the validity, legality and enforceability of the remaining provisions hereof shall not in any way be affected or impaired thereby.
18. The Principal shall be entitled to submit amendment application of the report within 3 months from receiving the test report. The amendment application must be agreed by the Company, otherwise, none will be considered. Any fees caused by the amendment shall be paid by the Principal.
19. Any dispute or claim arising out of or relating to the provision of services by the Company shall be settled through mutual consultations. In case no settlement can be reached, either party is entitled to lodge a lawsuit with Shenzhen Baoan District People's Court.



172300050572

单位登记号:	510107000126
项目编号:	CDSHCJCJSYXGS631 1-0002

检测报告



报告编号 A2210054131116002Ca

第 1 页 共 4 页

项目名称 工业废气（有组织）

委托单位 仁寿川能环保能源有限公司

委托单位地址 仁寿县宝马镇高照村 7 社

检测类别 委托检测

报告日期 2021 年 09 月 29 日

成都市华测检测技术有限公司



No. 3004020ABA

报告说明

报告编号: A2210054131116002Ca

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5. 本报告只对本次采样/送检样品检测结果负责, 报告中所附限值标准均由客户提供, 仅供参考。
6. 除客户特别申明并支付样品管理费, 所有超过标准规定时效期的样品均不再做留样。
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成都市华测检测技术有限公司

联系地址: 成都市高新区新盛路 32 号

邮政编码: 610041

电话: 028-85325707

传真: 028-86283211

编 制:	<u>喻诗琪</u>	签 发:	<u>王勇</u>
审 核:	<u>唐甜</u>	签发人姓名/职务:	<u>王勇/实验室负责人</u>
采 样 地 址:	<u>仁寿县宝马镇高照村 7 社</u>	签 发 日 期:	<u>2021/09/29</u>

检测结果

报告编号: A2210054131116002Ca

第 3 页 共 4 页

表 1 工业废气 (有组织)

样品信息							
采样日期	2021.09.22			检测日期	2021.09.22~24		
样品状态	采样头、吸收液						
检测结果							
检测点位置	检测项目	实测浓度 mg/m ³	排放浓度 mg/m ³	排放速率 kg/h	生活垃圾焚烧污染 控制标准（含修改单） GB 18485-2014 表 4 mg/m ³	排气筒 高度 m	
1#焚烧炉烟气 处理后 排气筒 采样口	颗粒物	ND	ND	/	30 (1 小时均值)	80	
	氯化氢	8.02	6.27	0.51	60 (1 小时均值)		
	氟化氢	ND	ND	/	---		
	氮氧化 化物	第一次	253	182	16		300 (1 小时均值)
		第二次	324	228	21		
		第三次	220	179	14		
		第四次	222	173	14		
		平均值	255	190	16		
	二氧化 硫	第一次	ND	ND	/		100 (1 小时均值)
		第二次	ND	ND	/		
		第三次	6	5	0.38		
		第四次	4	3	0.26		
		平均值	3	3	0.21		
	一氧 化碳	第一次	ND	ND	/		100 (1 小时均值)
		第二次	ND	ND	/		
		第三次	ND	ND	/		
		第四次	ND	ND	/		
		平均值	ND	ND	/		
注：1. “ND”表示检测结果小于检出限，参与统计平均时以 1/2 检出限浓度数值进行计算。							
2. “/”表示检测项目的排放浓度小于检出限，故排放速率无需计算。							
3. “---”表示 GB 18485-2014 表 4 标准中未对该项目作限制。							
4. 该表排放浓度以 11%为基准氧含量折算。							
结论：							
参照《生活垃圾焚烧污染控制标准（含修改单）》（GB 18485-2014）表 4 标准，本次检测时段内氟化氢检测项目未作限制，不予评价；其余检测项目均符合该参照标准限值要求。							

检测结果

报告编号: A2210054131116002Ca

第 4 页 共 4 页

接上表:

附：排气参数								
检测点位置	检测项目		结果					
			温度 (℃)	压力 (Pa)	流速 (m/s)	标干流量 (N·m³/h)	氧含量 (%)	湿度 (%)
1#焚烧炉 排气筒 采样口	颗粒物、氯化氢、氟化氢		149.8	167	16.9	63892	8.2	23.89
	二氧化硫、 氮氧化物、 一氧化碳	第一次	149.8	167	16.9	63892	7.1	23.89
		第二次	149.8	167	16.9	63892	6.8	23.89
		第三次	149.8	167	16.9	63892	8.7	23.89
		第四次	149.8	167	16.9	63892	8.2	23.89

表 2 检测方法 & 主要仪器信息

工业废气 (有组织)			单位: mg/m³
检测项目	检测方法 & 方法来源	检出限	主要仪器 (名称、型号及编号)
颗粒物	固定污染源废气 低浓度颗粒物的测定 重量法 HJ 836-2017	1.0	电子天平 SECURA225D-1CN (TTE20192553)
氯化氢	环境空气和废气 氯化氢的测定 离子色谱法 HJ 549-2016	0.2	离子色谱仪 ICS-1100 (TTE20131301)
氟化氢	固定污染源废气 氟化氢的测定 离子色谱法 HJ 688-2019	0.08	离子色谱仪 ICS-1100 (TTE20131301)
二氧化硫	固定污染源废气 二氧化硫的测定 定电位电解法 HJ 57-2017	3	低浓度自动烟尘烟气 综合测试仪 ZR-3260D(A) (TTE20212693)
氮氧化物	固定污染源废气 氮氧化物的测定 定电位电解法 HJ 693-2014	3	
一氧化碳	固定污染源排气中一氧化碳的测定 非色散红外吸收法 HJ/T 44-1999	20	便携式红外气体分析仪 MODEL3080 (TTE20178031)

报告结束



172300050572

单位登记号:	510107000126
项目编号:	CDSHCJCJSYXGS631 1-0002

检测报告



报告编号 A2210054131116002Ca

第 1 页 共 4 页

项目名称 工业废气（有组织）

委托单位 仁寿川能环保能源有限公司

委托单位地址 仁寿县宝马镇高照村 7 社

检测类别 委托检测

报告日期 2021 年 09 月 29 日

成都市华测检测技术有限公司



No. 3004020ABA

报告说明

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邮政编码: 610041

电话: 028-85325707

传真: 028-86283211

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采 样 地 址: 仁寿县宝马镇高照村 7 社 签 发 日 期: 2021/09/29

检测结果

报告编号: A2210054131116002Ca

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表1 工业废气(有组织)

样品信息							
采样日期	2021.09.22			检测日期	2021.09.22~24		
样品状态	采样头、吸收液						
检测结果							
检测点位置	检测项目	实测浓度 mg/m ³	排放浓度 mg/m ³	排放速率 kg/h	生活垃圾焚烧污染 控制标准（含修改单） GB 18485-2014 表 4 mg/m ³	排气筒 高度 m	
1#焚烧炉烟气 处理后 排气筒 采样口	颗粒物	ND	ND	/	30 (1 小时均值)	80	
	氯化氢	8.02	6.27	0.51	60 (1 小时均值)		
	氟化氢	ND	ND	/	---		
	氮氧化 化物	第一次	253	182	16		300 (1 小时均值)
		第二次	324	228	21		
		第三次	220	179	14		
		第四次	222	173	14		
		平均值	255	190	16		
	二氧化 化硫	第一次	ND	ND	/		100 (1 小时均值)
		第二次	ND	ND	/		
		第三次	6	5	0.38		
		第四次	4	3	0.26		
		平均值	3	3	0.21		
	一氧 化碳	第一次	ND	ND	/		100 (1 小时均值)
		第二次	ND	ND	/		
		第三次	ND	ND	/		
		第四次	ND	ND	/		
		平均值	ND	ND	/		

注：1. “ND”表示检测结果小于检出限，参与统计平均时以 1/2 检出限浓度数值进行计算。

2. “/”表示检测项目的排放浓度小于检出限，故排放速率无需计算。

3. “---”表示 GB 18485-2014 表 4 标准中未对该项目作限制。

4. 该表排放浓度以 11%为基准氧含量折算。

结论：

参照《生活垃圾焚烧污染控制标准（含修改单）》（GB 18485-2014）表 4 标准，本次检测时段内氟化氢检测项目未作限制，不予评价；其余检测项目均符合该参照标准限值要求。

检测结果

报告编号: A2210054131116002Ca

第 4 页 共 4 页

接上表:

附: 排气参数

检测点位置	检测项目	结果					
		温度 (°C)	压力 (Pa)	流速 (m/s)	标干流量 (N·m³/h)	氧含量 (%)	湿度 (%)
1#焚烧炉 排气筒 采样口	颗粒物、氯化氢、氟化氢	149.8	167	16.9	63892	8.2	23.89
	二氧化硫、 氮氧化物、 一氧化碳	第一次	149.8	167	16.9	63892	7.1
		第二次	149.8	167	16.9	63892	6.8
		第三次	149.8	167	16.9	63892	8.7
		第四次	149.8	167	16.9	63892	8.2

表 2 检测方法 & 主要仪器信息

工业废气 (有组织)			单位: mg/m³
检测项目	检测方法 & 方法来源	检出限	主要仪器 (名称、型号及编号)
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氯化氢	环境空气和废气 氯化氢的测定 离子色谱法 HJ 549-2016	0.2	离子色谱仪 ICS-1100 (TTE20131301)
氟化氢	固定污染源废气 氟化氢的测定 离子色谱法 HJ 688-2019	0.08	离子色谱仪 ICS-1100 (TTE20131301)
二氧化硫	固定污染源废气 二氧化硫的测定 定电位电解法 HJ 57-2017	3	低浓度自动烟尘烟气 综合测试仪 ZR-3260D(A) (TTE20212693)
氮氧化物	固定污染源废气 氮氧化物的测定 定电位电解法 HJ 693-2014	3	
一氧化碳	固定污染源排气中一氧化碳的测定 非色散红外吸收法 HJ/T 44-1999	20	便携式红外气体分析仪 MODEL3080 (TTE20178031)

报告结束



172300050572

单位登记号:	510107000126
项目编号:	CDSHCJCJSYXGS631 1-0002

检测报告



报告编号 A2210054131116002Ca

第 1 页 共 4 页

项目名称 工业废气（有组织）

委托单位 仁寿川能环保能源有限公司

委托单位地址 仁寿县宝马镇高照村 7 社

检测类别 委托检测

报告日期 2021 年 09 月 29 日

成都市华测检测技术有限公司



No. 3004020ABA



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检测结果

报告编号: A2210054131116002Ca

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表1 工业废气(有组织)

样品信息							
采样日期	2021.09.22			检测日期	2021.09.22~24		
样品状态	采样头、吸收液						
检测结果							
检测点位置	检测项目	实测浓度 mg/m ³	排放浓度 mg/m ³	排放速率 kg/h	生活垃圾焚烧污染 控制标准（含修改单） GB 18485-2014 表 4 mg/m ³	排气筒 高度 m	
1#焚烧炉烟气 处理后 排气筒 采样口	颗粒物	ND	ND	/	30 （1 小时均值）	80	
	氯化氢	8.02	6.27	0.51	60 （1 小时均值）		
	氟化氢	ND	ND	/	---		
	氮氧化 化物	第一次	253	182	16		300 （1 小时均值）
		第二次	324	228	21		
		第三次	220	179	14		
		第四次	222	173	14		
		平均值	255	190	16		
	二氧化 硫	第一次	ND	ND	/		100 （1 小时均值）
		第二次	ND	ND	/		
		第三次	6	5	0.38		
		第四次	4	3	0.26		
		平均值	3	3	0.21		
	一氧 化碳	第一次	ND	ND	/		100 （1 小时均值）
		第二次	ND	ND	/		
		第三次	ND	ND	/		
		第四次	ND	ND	/		
		平均值	ND	ND	/		

注：1. “ND”表示检测结果小于检出限，参与统计平均时以 1/2 检出限浓度数值进行计算。

2. “/”表示检测项目的排放浓度小于检出限，故排放速率无需计算。

3. “---”表示 GB 18485-2014 表 4 标准中未对该项目作限制。

4. 该表排放浓度以 11%为基准氧含量折算。

结论：

参照《生活垃圾焚烧污染控制标准（含修改单）》（GB 18485-2014）表 4 标准，本次检测时段内氟化氢检测项目未作限制，不予评价；其余检测项目均符合该参照标准限值要求。

检测结果

报告编号: A2210054131116002Ca

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接上表:

附：排气参数								
检测点位置	检测项目		结果					
			温度 (℃)	压力 (Pa)	流速 (m/s)	标干流量 (N·m³/h)	氧含量 (%)	湿度 (%)
1#焚烧炉 排气筒 采样口	颗粒物、氯化氢、氟化氢		149.8	167	16.9	63892	8.2	23.89
	二氧化硫、 氮氧化物、 一氧化碳	第一次	149.8	167	16.9	63892	7.1	23.89
		第二次	149.8	167	16.9	63892	6.8	23.89
		第三次	149.8	167	16.9	63892	8.7	23.89
		第四次	149.8	167	16.9	63892	8.2	23.89

表 2 检测方法 & 主要仪器信息

工业废气 (有组织)			单位: mg/m³
检测项目	检测方法 & 方法来源	检出限	主要仪器 (名称、型号及编号)
颗粒物	固定污染源废气 低浓度颗粒物的测定 重量法 HJ 836-2017	1.0	电子天平 SECURA225D-1CN (TTE20192553)
氯化氢	环境空气和废气 氯化氢的测定 离子色谱法 HJ 549-2016	0.2	离子色谱仪 ICS-1100 (TTE20131301)
氟化氢	固定污染源废气 氟化氢的测定 离子色谱法 HJ 688-2019	0.08	离子色谱仪 ICS-1100 (TTE20131301)
二氧化硫	固定污染源废气 二氧化硫的测定 定电位电解法 HJ 57-2017	3	低浓度自动烟尘烟气 综合测试仪 ZR-3260D(A) (TTE20212693)
氮氧化物	固定污染源废气 氮氧化物的测定 定电位电解法 HJ 693-2014	3	
一氧化碳	固定污染源排气中一氧化碳的测定 非色散红外吸收法 HJ/T 44-1999	20	便携式红外气体分析仪 MODEL3080 (TTE20178031)

报告结束



172300050572

单位登记号:	510107000126
项目编号:	CDSHCJCJSYXGS593 0-0006

检测报告



报告编号 A2210054131114005Ca

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项目名称 工业废气（有组织）

委托单位 仁寿川能环保能源有限公司

委托单位地址 仁寿县宝马镇高照村 7 社

检测类别 委托检测

报告日期 2021 年 08 月 24 日



No. 3004034760

报 告 说 明

报告编号: A2210054131114005Ca

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1. 本报告不得涂改、增删, 无签发人签字无效。
2. 本报告无检验检测专用章、骑缝章无效。
3. 未经 CTI 书面批准, 不得部分复制检测报告。
4. 本报告未经同意不得作为商业广告使用。
5. 本报告只对本次采样/送检样品检测结果负责, 报告中所附限值标准均由客户提供, 仅供参考。
6. 除客户特别申明并支付样品管理费, 所有超过标准规定时效期的样品均不再做留样。
7. 对本报告有疑议, 请在收到报告 10 个工作日内与本公司联系。

成都市华测检测技术有限公司

联系地址: 成都市高新区新盛路 32 号

邮政编码: 610041

电话: 028-85325707

传真: 028-86283211

编 制:

喻诗琪

签 发:

王勇

审 核:

唐甜

签发人姓名/职务:

王勇/实验室负责人

采 样 地 址:

仁寿县宝马镇高照村 7 社

签 发 日 期:

2021/08/24

检测结果

报告编号: A2210054131114005Ca

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表1 工业废气(有组织)

样品信息								
采样日期		2021.08.04		检测日期	2021.08.04~09			
样品状态		采样头、吸收液						
检测结果								
检测点位置		检测项目	实测浓度 mg/m³	排放浓度 mg/m³	排放速率 kg/h	生活垃圾焚烧污染 控制标准（含修改单） GB 18485-2014 表 4 mg/m³	排气筒 高度 m	
2#焚烧炉烟气 处理后 排气筒 采样口		颗粒物	ND	ND	/	30 (1 小时均值)	80	
		氯化氢	1.47	0.91	0.096	60 (1 小时均值)		
		氟化氢	0.11	0.07	7.2×10 ⁻³	---		
		氮氧化 化物	第一次	109	91	7.1		300 (1 小时均值)
			第二次	77	48	5.2		
			第三次	174	105	12		
			第四次	183	114	12		
			平均值	136	90	9.1		
		二氧化 化硫	第一次	ND	ND	/		100 (1 小时均值)
			第二次	ND	ND	/		
			第三次	ND	ND	/		
			第四次	ND	ND	/		
			平均值	ND	ND	/		
		一氧 化碳	第一次	ND	ND	/		100 (1 小时均值)
			第二次	ND	ND	/		
第三次	ND		ND	/				
第四次	ND		ND	/				
平均值	ND		ND	/				

注：1. “ND” 表示检测结果小于检出限。

2. “/” 表示检测项目的排放浓度小于检出限，故排放速率无需计算。

3. “---” 表示 GB 18485-2014 表 4 标准中未对该项目作限制。

4. 该表排放浓度以 11%为基准氧含量折算。

检测结果

报告编号: A2210054131114005Ca

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接上表:

附：排气参数

检测点位置	检测项目		结果					
			温度 (℃)	压力 (Pa)	流速 (m/s)	标干流量 (N·m³/h)	氧含量 (%)	湿度 (%)
2#焚烧炉 排气筒 采样口	颗粒物、氯化氢、氟化氢		133.0	176	17.2	65046	4.9	26.35
	二氧化硫、 氮氧化物	第一次	132.3	176	17.1	64967	9.0	26.35
		第二次	135.4	191	17.9	67423	4.9	26.35
		第三次	133.0	189	17.8	67288	4.4	26.35
		第四次	131.3	166	16.6	63173	4.9	26.35
	一氧化碳	第一次	133.0	176	17.2	65046	4.9	26.35
		第二次	133.0	176	17.2	65046	4.9	26.35
		第三次	133.0	176	17.2	65046	4.9	26.35
		第四次	133.0	176	17.2	65046	4.9	26.35

表 2 检测方法及主要仪器信息

工业废气 (有组织)			单位: mg/m³
检测项目	检测方法 及 方法来源	检出限	主要仪器 (名称、型号及编号)
颗粒物	固定污染源废气 低浓度颗粒物的测定 重量法 HJ 836-2017	1.0	电子天平 SECURA225D-1CN (TTE20192553)
氯化氢	环境空气和废气 氯化氢的测定 离子色谱法 HJ 549-2016	0.2	离子色谱仪 ICS-1100 (TTE20131301)
氟化氢	固定污染源废气 氟化氢的测定 离子色谱法 HJ 688-2019	0.08	离子色谱仪 ICS-1100 (TTE20131301)
二氧化硫	固定污染源废气 二氧化硫的测定 定电位电解法 HJ 57-2017	3	低浓度自动烟尘烟气 综合测试仪 ZR-3260D(A) (TTE20210134) 等
氮氧化物	固定污染源废气 氮氧化物的测定 定电位电解法 HJ 693-2014	3	
一氧化碳	固定污染源排气中一氧化碳的测定 非色散红外吸收法 HJ/T 44-1999	20	便携式红外气体分析仪 MODEL3080-15 (TTE20202017)

报告结束



172300050572

单位登记号:	510107000126
项目编号:	CDSHCJCJSYXGS593 0-0006

检测报告



报告编号 A2210054131114005Ca

第 1 页 共 4 页

项目名称 工业废气（有组织）

委托单位 仁寿川能环保能源有限公司

委托单位地址 仁寿县宝马镇高照村 7 社

检测类别 委托检测

报告日期 2021 年 08 月 24 日

成都市华测检测技术有限公司



No. 3004034760



CENTRE TESTING INTERNATIONAL TERMS AND CONDITIONS OF BUSINESS

1. Centre Testing International Group Co., Ltd. (including its affiliated company hereinafter "the Company") will provide services to person or body on request (hereinafter "the Principal") in accordance with and subject to the terms and conditions herein contained (hereinafter "the Condition"). Until otherwise notified in written agreement between the Company and the Principal, services provided by the Company shall be bound by and subject to all provisions of the Conditions.
2. All rights (included but not limited to copyright) in any test reports, test results, inspection certificates or other materials produced by the Company in the course of providing its services shall remain vested in the Company.
3. The Company undertakes to exercise reasonable caution and accurate scientific method in the performance of its services and accepts responsibility only where such method and caution is not exercised. The Company shall not be liable in respect of any circumstances for more than 10 times the amount of such service charge or agent fee nor more than the total amount of the contract. The Company shall have no liability in respect of any claims for indirect loss including loss of profit and/or loss of future business and/or cancellation of contracts entered into by the Principal.
4. The Company shall not in any event be liable for any loss because of any delay in performance or non-performance of any of its services when the delay is caused by any reason whatsoever that is beyond the Company's control, including but not limited to the following reasons: force majeure happens; the Principal fails to fulfill the obligations in accordance with the contract; due to the Principal's appointment; the loss and damage sustained by the Principal; there is a change to relevant laws, regulations and standards.
5. Test reports, test results or inspection certificates issued following test or analysis of samples stand the Company's specific opinion only. In no case shall the Company's responsibility extend to test reports, test results or inspection certificates on the sample. The Company shall have no liability in respect of any direct or indirect loss whatsoever caused by use of the test reports, test results or inspection certificates.
6. The Company can delegate the performance of the whole or any part of the services contracted with the Principal to any affiliated company or subcontractor without prior written/oral agreement of the Principal. The Company will ensure that instructions to the affiliated company or subcontractor are given and are accompanied by sufficient information to enable the required services to be performed effectively. The Company is deemed to fulfill his obligation when affiliated company of the Company and subcontractors exercising their rights and performing their obligations.
7. If the requirements of the Principal necessitate the analysis of samples by the Principal or by any third party, the Company will pass on the results of the analysis but without responsibility for accuracy of analysis results.
8. The Principal will:
 - (1) Supply, as the Company required, all necessary samples, information and technical documents, and ensures the truthfulness, integrity, legality and effectiveness; ensure samples, information and technical documents provided with no infringement which included but not limited to the violation of intellectual property rights and other rights.
 - (2) Ensure all necessary measures are taken for safety and security of working conditions, sites and installations during performance of the required service.
 - (3) Inform the Company in advance of any known hazards or dangers related to samples, actual or potential, associated with any request for the provision of services by the Company included but not limited to the presence or risk of radiation, toxic or explosive elements or materials, or other potential dangers to human, to thing or to the environment.
 - (4) Take all necessary steps to ensure safe transformation and transfer of samples. The samples shall be cared and be packed properly to eliminate or remedy any obstruction to or interruptions in the performance of the required services when samples delivered by mail. The Company is not liable for loss or damage incurred in the process of delivery.
 - (5) Be subject to the liabilities of compensation for any loss, damage or expense of whatsoever nature and howsoever arising relating to the violation of the terms and conditions of business by the Principal.
9. The Principal shall pay the Company punctually within the time the Principal and the Company has agreed upon. The Principal shall not be entitled to retain or deferring payment of any sums due to the Company on account of any dispute, cross claim or set off which may allege against the Company.
10. The Company shall be entitled to store the left sample (or any of them) in accordance with the sample's characters and internal management system. Upon the expiry of retaining period, if the samples are not collected by the Principal, at the sole discretion of the company the samples may be deemed as they are abandoned and/or can be destroyed. The expenses by sample delivery to the Principal shall reclaim from the Principal.
11. The Company shall pledge and undertake prescribed confidentiality obligation of technical information, materials and unofficial publications provided by the Principal. Meanwhile, the Principal shall pledge and undertake prescribed confidentiality obligation of any materials from the Company including environment conditions, manufacturing techniques and process. Unless on mutual written agreement, neither of the two parties could disclose the following contents to a third party: scope of cooperation, contents, cooperation mode, expense, rights and obligations of both parties; the process of handling appeals. Either party who violated the condition shall be subject to legal and economic responsibility.
12. In the event of any suspension of bankruptcy, insolvency, receivership or cessation of business or the Principal failing to pay part of any sums owing to the Company, the Company shall be entitled to suspend all performance of the service and withholding the issue of test report, test result, inspection certificate or any other material requested forthwith and without liability until payment of all sums owing to the Company together with interest thereon is settled.
13. In the event of the Company being prevented by reason of any cause whatsoever beyond the Company's control including but not limited to the Principal requirement from completing the service for which an agreement has been made, the Principal shall pay the Company the expenditure actually occurred equaling the proportion of the services already carried out.
14. The Company shall have no liability to the Principal for delay in performance of any of its services for the lack of technology or test equipment within time notification to the Principal.
15. The Company shall not in any event be liable for any disputes as a result of inappropriate behavior by the Principal which includes but not limited to: unilateral modification by the Principal on test reports; extracting of test information from test reports; breaching the duty of clause 8(1) offering illegal samples or technical information.
16. The results of testing, calibration or inspection shall be deemed as accepted by the Principal unless any written disagreement is raised within 15 working days from the day that the Principal receive the test reports, test results or inspection certificate. The written disagreement mentioned above must include the original copy of such reports and prepaid retesting fee. If the written disagreement is incomplete and the Principal fails to complete it within 15 working days mentioned above, the results testing, calibration or inspection will still be deemed as being accepted by the Principal.
17. All contracts for provision of services by the Company and the Conditions shall be construed in accordance with and governed by the laws of the People's Republic of China and for the purpose of any arbitral or litigation proceedings such contracts shall be deemed to have been made and performed in PRC unless otherwise specified herein. If any provision contained in the Conditions is and/or becomes invalid, illegal or unenforceable in any respect under the laws of PRC, the validity, legality and enforceability of the remaining provisions hereof shall not in any way be affected or impaired thereby.
18. The Principal shall be entitled to submit amendment application of the report within 3 months from receiving the test report. The amendment application must be agreed by the Company, otherwise, none will be considered. Any fees caused by the amendment shall be paid by the Principal.
19. Any dispute or claim arising out of or relating to the provision of services by the Company shall be settled through mutual consultations. In case no settlement can be reached, either party is entitled to lodge a lawsuit with Shenzhen Baoan District People's Court.

报告说明

报告编号: A2210054131114005Ca

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4. 本报告未经同意不得作为商业广告使用。
5. 本报告只对本次采样/送检样品检测结果负责, 报告中所附限值标准均由客户提供, 仅供参考。
6. 除客户特别申明并支付样品管理费, 所有超过标准规定时效期的样品均不再做留样。
7. 对本报告有疑议, 请在收到报告 10 个工作日内与本公司联系。

成都市华测检测技术有限公司

联系地址: 成都市高新区新盛路 32 号

邮政编码: 610041

电话: 028-85325707

传真: 028-86283211

编制:

喻诗琪

签发:

王勇

审核:

张甜

签发人姓名/职务:

王勇/实验室负责人

采样地址:

仁寿县宝马镇高照村 7 社

签发日期:

2021/08/24

检测结果

报告编号: A2210054131114005Ca

第3页 共4页

表1 工业废气 (有组织)

样品信息								
采样日期		2021.08.04		检测日期	2021.08.04~09			
样品状态		采样头、吸收液						
检测结果								
检测点位置		检测项目	实测浓度 mg/m ³	排放浓度 mg/m ³	排放速率 kg/h	生活垃圾焚烧污染 控制标准（含修改单） GB 18485-2014 表 4 mg/m ³	排气筒 高度 m	
2#焚烧炉烟气 处理后 排气筒 采样口		颗粒物	ND	ND	/	30 (1 小时均值)	80	
		氯化氢	1.47	0.91	0.096	60 (1 小时均值)		
		氟化氢	0.11	0.07	7.2×10 ⁻³	---		
		氮氧化物	第一次	109	91	7.1		300 (1 小时均值)
			第二次	77	48	5.2		
			第三次	174	105	12		
			第四次	183	114	12		
			平均值	136	90	9.1		
		二氧化硫	第一次	ND	ND	/		100 (1 小时均值)
			第二次	ND	ND	/		
			第三次	ND	ND	/		
			第四次	ND	ND	/		
			平均值	ND	ND	/		
		一氧化碳	第一次	ND	ND	/		100 (1 小时均值)
			第二次	ND	ND	/		
第三次	ND		ND	/				
第四次	ND		ND	/				
平均值	ND		ND	/				

注：1. “ND” 表示检测结果小于检出限。

2. “/” 表示检测项目的排放浓度小于检出限，故排放速率无需计算。

3. “---” 表示 GB 18485-2014 表 4 标准中未对该项目作限制。

4. 该表排放浓度以 11%为基准氧含量折算。

（检测合格）

CENTRE TESTING INTERNATIONAL TERMS AND CONDITIONS OF BUSINESS

1. Centre Testing International Group Co., Ltd. (including its affiliated company hereinafter "the Company") will provide services to person or body on request (hereinafter "the Principal") in accordance with and subject to the terms and conditions herein contained (hereinafter "the Condition"). Until otherwise notified in written agreement between the Company and the Principal, services provided by the Company shall be bound by and subject to all provisions of the Conditions.
2. All rights (included but not limited to copyright) in any test reports, test results, inspection certificates or other materials produced by the Company in the course of providing its services shall remain vested in the Company.
3. The Company undertakes to exercise reasonable caution and accurate scientific method in the performance of its services and accepts responsibility only where such method and caution is not exercised. The Company shall not be liable in respect of any circumstances for more than 10 times the amount of such service charge or agent fee nor more than the total amount of the contract. The Company shall have no liability in respect of any claims for indirect loss including loss of profit and/or loss of future business and/or cancellation of contracts entered into by the Principal.
4. The Company shall not in any event be liable for any loss because of any delay in performance or non-performance of any of its services when the delay is caused by any reason whatsoever that is beyond the Company's control, including but not limited to the following reasons: force majeure happens; the Principal fails to fulfill the obligations in accordance with the contract; due to the Principal's appointment; the loss and damage sustained by the Principal; there is a change to relevant laws, regulations and standards.
5. Test reports, test results or inspection certificates issued following test or analysis of samples stand the Company's specific opinion only. In no case shall the Company's responsibility extend to test reports, test results or inspection certificates on the sample. The Company shall have no liability in respect of any direct or indirect loss whatsoever caused by use of the test reports, test results or inspection certificates.
6. The Company can delegate the performance of the whole or any part of the services contracted with the Principal to any affiliated company or subcontractor without prior written/oral agreement of the Principal. The Company will ensure that instructions to the affiliated company or subcontractor are given and are accompanied by sufficient information to enable the required services to be performed effectively. The Company is deemed to fulfill his obligation when affiliated company of the Company and subcontractors exercising their rights and performing their obligations.
7. If the requirements of the Principal necessitate the analysis of samples by the Principal or by any third party, the Company will pass on the results of the analysis but without responsibility for accuracy of analysis results.
8. The Principal will:
 - (1) Supply, as the Company required, all necessary samples, information and technical documents, and ensures the truthfulness, integrity, legality and effectiveness; ensure samples, information and technical documents provided with no infringement which included but not limited to the violation of intellectual property rights and other rights.
 - (2) Ensure all necessary measures are taken for safety and security of working conditions, sites and installations during performance of the required service.
 - (3) Inform the Company in advance of any known hazards or dangers related to samples, actual or potential, associated with any request for the provision of services by the Company included but not limited to the presence or risk of radiation, toxic or explosive elements or materials, or other potential dangers to human, to thing or to the environment.
 - (4) Take all necessary steps to ensure safe transformation and transfer of samples. The samples shall be cared and be packed properly to eliminate or remedy any obstruction to or interruptions in the performance of the required services when samples delivered by mail. The Company is not liable for loss or damage incurred in the process of delivery.
 - (5) Be subject to the liabilities of compensation for any loss, damage or expense of whatsoever nature and howsoever arising relating to the violation of the terms and conditions of business by the Principal.
9. The Principal shall pay the Company punctually within the time the Principal and the Company has agreed upon. The Principal shall not be entitled to retain or deferring payment of any sums due to the Company on account of any dispute, cross claim or set off which may allege against the Company.
10. The Company shall be entitled to store the left sample (or any of them) in accordance with the sample's characters and internal management system. Upon the expiry of retaining period, if the samples are not collected by the Principal, at the sole discretion of the company the samples may be deemed as they are abandoned and/or can be destroyed. The expenses by sample delivery to the Principal shall reclaim from the Principal.
11. The Company shall pledge and undertake prescribed confidentiality obligation of technical information, materials and unofficial publications provided by the Principal. Meanwhile, the Principal shall pledge and undertake prescribed confidentiality obligation of any materials from the Company including environment conditions, manufacturing techniques and process. Unless on mutual written agreement, neither of the two parties could disclose the following contents to a third party: scope of cooperation, contents, cooperation mode, expense; rights and obligations of both parties; the process of handling appeals. Either party who violated the condition shall be subject to legal and economic responsibility.
12. In the event of any suspension of bankruptcy, insolvency, receivership or cessation of business or the Principal failing to pay part of any sums owing to the Company, the Company shall be entitled to suspend all performance of the service and withholding the issue of test report, test result, inspection certificate or any other material requested forthwith and without liability until payment of all sums owing to the Company together with interest thereon is settled.
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14. The Company shall have no liability to the Principal for delay in performance of any of its services for the lack of technology or test equipment within time notification to the Principal.
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17. All contracts for provision of services by the Company and the Conditions shall be construed in accordance with and governed by the laws of the People's Republic of China and for the purpose of any arbitral or litigation proceedings such contracts shall be deemed to have been made and performed in PRC unless otherwise specified herein. If any provision contained in the Conditions is and/or becomes invalid, illegal or unenforceable in any respect under the laws of PRC, the validity, legality and enforceability of the remaining provisions hereof shall not in any way be affected or impaired thereby.
18. The Principal shall be entitled to submit amendment application of the report within 3 months from receiving the test report. The amendment application must be agreed by the Company, otherwise, none will be considered. Any fees caused by the amendment shall be paid by the Principal.
19. Any dispute or claim arising out of or relating to the provision of services by the Company shall be settled through mutual consultations. In case no settlement can be reached, either party is entitled to lodge a lawsuit with Shenzhen Baoan District People's Court.

检测结果

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接上表:

附：排气参数

检测点位置	检测项目		结果					
			温度 (℃)	压力 (Pa)	流速 (m/s)	标干流量 (N·m³/h)	氧含量 (%)	湿度 (%)
2#焚烧炉 排气筒 采样口	颗粒物、氯化氢、氟化氢		133.0	176	17.2	65046	4.9	26.35
	二氧化硫、 氮氧化物	第一次	132.3	176	17.1	64967	9.0	26.35
		第二次	135.4	191	17.9	67423	4.9	26.35
		第三次	133.0	189	17.8	67288	4.4	26.35
		第四次	131.3	166	16.6	63173	4.9	26.35
	一氧化碳	第一次	133.0	176	17.2	65046	4.9	26.35
		第二次	133.0	176	17.2	65046	4.9	26.35
		第三次	133.0	176	17.2	65046	4.9	26.35
		第四次	133.0	176	17.2	65046	4.9	26.35

表 2 检测方法及主要仪器信息

工业废气 (有组织)				单位: mg/m³
检测项目	检测方法及方法来源	检出限	主要仪器 (名称、型号及编号)	
颗粒物	固定污染源废气 低浓度颗粒物的测定 重量法 HJ 836-2017	1.0	电子天平 SECURA225D-1CN (TTE20192553)	
氯化氢	环境空气和废气 氯化氢的测定 离子色谱法 HJ 549-2016	0.2	离子色谱仪 ICS-1100 (TTE20131301)	
氟化氢	固定污染源废气 氟化氢的测定 离子色谱法 HJ 688-2019	0.08	离子色谱仪 ICS-1100 (TTE20131301)	
二氧化硫	固定污染源废气 二氧化硫的测定 定电位电解法 HJ 57-2017	3	低浓度自动烟尘烟气 综合测试仪 ZR-3260D(A) (TTE20210134) 等	
氮氧化物	固定污染源废气 氮氧化物的测定 定电位电解法 HJ 693-2014	3		
一氧化碳	固定污染源排气中一氧化碳的测定 非色散红外吸收法 HJ/T 44-1999	20	便携式红外气体分析仪 MODEL3080-15 (TTE20202017)	

报告结束

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2. All rights (included but not limited to copyright) in any test reports, test results, inspection certificates or other materials produced by the Company in the course of providing its services shall remain vested in the Company.
3. The Company undertakes to exercise reasonable caution and accurate scientific method in the performance of its services and accepts responsibility only where such method and caution is not exercised. The Company shall not be liable in respect of any circumstances for more than 10 times the amount of such service charge or agent fee nor more than the total amount of the contract. The Company shall have no liability in respect of any claims for indirect loss including loss of profit and/or loss of future business and/or cancellation of contracts entered into by the Principal.
4. The Company shall not in any event be liable for any loss because of any delay in performance or non-performance of any of its services when the delay is caused by any reason whatsoever that is beyond the Company's control, including but not limited to the following reasons: force majeure happens; the Principal fails to fulfill the obligations in accordance with the contract; due to the Principal's appointment; the loss and damage sustained by the Principal; there is a change to relevant laws, regulations and standards.
5. Test reports, test results or inspection certificates issued following test or analysis of samples stand the Company's specific opinion only. In no case shall the Company's responsibility extend to test reports, test results or inspection certificates on the sample. The Company shall have no liability in respect of any direct or indirect loss whatsoever caused by use of the test reports, test results or inspection certificates.
6. The Company can delegate the performance of the whole or any part of the services contracted with the Principal to any affiliated company or subcontractor without prior written/oral agreement of the Principal. The Company will ensure that instructions to the affiliated company or subcontractor are given and are accompanied by sufficient information to enable the required services to be performed effectively. The Company is deemed to fulfill his obligation when affiliated company of the Company and subcontractors exercising their rights and performing their obligations.
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单位登记号:	510107000126
项目编号:	CDSHCJCJSYXGS593 0-0006

检测报告



报告编号 A2210054131114005Ca

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项目名称 工业废气（有组织）

委托单位 仁寿川能环保能源有限公司

委托单位地址 仁寿县宝马镇高照村 7 社

检测类别 委托检测

报告日期 2021 年 08 月 24 日

成都市华测检测技术有限公司



No. 3004034760

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报 告 说 明

报告编号: A2210054131114005Ca

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1. 本报告不得涂改、增删, 无签发人签字无效。
2. 本报告无检验检测专用章、骑缝章无效。
3. 未经 CTI 书面批准, 不得部分复制检测报告。
4. 本报告未经同意不得作为商业广告使用。
5. 本报告只对本次采样/送检样品检测结果负责, 报告中所附限值标准均由客户提供, 仅供参考。
6. 除客户特别申明并支付样品管理费, 所有超过标准规定时效期的样品均不再做留样。
7. 对本报告有疑议, 请在收到报告 10 个工作日内与本公司联系。

成都市华测检测技术有限公司

联系地址: 成都市高新区新盛路 32 号

邮政编码: 610041

电话: 028-85325707

传真: 028-86283211

编 制:

喻诗琪

签 发:

王勇

审 核:

唐甜

签发人姓名/职务:

王勇/实验室负责人

采 样 地 址:

仁寿县宝马镇高照村 7 社

签 发 日 期:

2021/08/24

检测结果

报告编号: A2210054131114005Ca

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表1 工业废气(有组织)

样品信息							
采样日期		2021.08.04		检测日期	2021.08.04~09		
样品状态		采样头、吸收液					
检测结果							
检测点位置	检测项目	实测浓度 mg/m ³	排放浓度 mg/m ³	排放速率 kg/h	生活垃圾焚烧污染 控制标准（含修改单） GB 18485-2014 表 4 mg/m ³	排气筒 高度 m	
2#焚烧炉烟气 处理后 排气筒 采样口	颗粒物	ND	ND	/	30 (1 小时均值)	80	
	氯化氢	1.47	0.91	0.096	60 (1 小时均值)		
	氟化氢	0.11	0.07	7.2×10 ⁻³	---		
	氮氧化 化物	第一次	109	91	7.1		300 (1 小时均值)
		第二次	77	48	5.2		
		第三次	174	105	12		
		第四次	183	114	12		
		平均值	136	90	9.1		
	二氧化 化硫	第一次	ND	ND	/		100 (1 小时均值)
		第二次	ND	ND	/		
		第三次	ND	ND	/		
		第四次	ND	ND	/		
		平均值	ND	ND	/		
	一氧 化碳	第一次	ND	ND	/		100 (1 小时均值)
		第二次	ND	ND	/		
		第三次	ND	ND	/		
		第四次	ND	ND	/		
		平均值	ND	ND	/		

注：1. “ND” 表示检测结果小于检出限。

2. “/” 表示检测项目的排放浓度小于检出限，故排放速率无需计算。

3. “---” 表示 GB 18485-2014 表 4 标准中未对该项目作限制。

4. 该表排放浓度以 11%为基准氧含量折算。

（未盖章）

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11. The Company shall pledge and undertake prescribed confidentiality obligation of technical information, materials and unofficial publications provided by the Principal. Meanwhile, the Principal shall pledge and undertake prescribed confidentiality obligation of any materials from the Company including environment conditions, manufacturing techniques and process. Unless on mutual written agreement, neither of the two parties could disclose the following contents to a third party: scope of cooperation, contents, cooperation mode, expense; rights and obligations of both parties; the process of handling appeals. Either party who violated the condition shall be subject to legal and economic responsibility.
12. In the event of any suspension of bankruptcy, insolvency, receivership or cessation of business or the Principal failing to pay part of any sums owing to the Company, the Company shall be entitled to suspend all performance of the service and withholding the issue of test report, test result, inspection certificate or any other material requested forthwith and without liability until payment of all sums owing to the Company together with interest thereon is settled.
13. In the event of the Company being prevented by reason of any cause whatsoever beyond the Company's control including but not limited to the Principal requirement from completing the service for which an agreement has been made, the Principal shall pay the Company the expenditure actually occurred equaling the proportion of the services already carried out.
14. The Company shall have no liability to the Principal for delay in performance of any of its services for the lack of technology or test equipment within time notification to the Principal.
15. The Company shall not in any event be liable for any disputes as a result of inappropriate behavior by the Principal which includes but not limited to: unilateral modification by the Principal on test reports; extracting of test information from test reports; breaching the duty of clause 8(1) offering illegal samples or technical information.
16. The results of testing, calibration or inspection shall be deemed as accepted by the Principal unless any written disagreement is raised within 15 working days from the day that the Principal receive the test reports, test results or inspection certificate. The written disagreement mentioned above must include the original copy of such reports and prepaid retesting fee. If the written disagreement is incomplete and the Principal fails to complete it within 15 working days mentioned above, the results testing, calibration or inspection will still be deemed as being accepted by the Principal.
17. All contracts for provision of services by the Company and the Conditions shall be construed in accordance with and governed by the laws of the People's Republic of China and for the purpose of any arbitral or litigation proceedings such contracts shall be deemed to have been made and performed in PRC unless otherwise specified herein. If any provision contained in the Conditions is and/or becomes invalid, illegal or unenforceable in any respect under the laws of PRC, the validity, legality and enforceability of the remaining provisions hereof shall not in any way be affected or impaired thereby.
18. The Principal shall be entitled to submit amendment application of the report within 3 months from receiving the test report. The amendment application must be agreed by the Company, otherwise, none will be considered. Any fees caused by the amendment shall be paid by the Principal.
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检测结果

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接上表:

附：排气参数

检测点位置	检测项目		结果					
			温度 (℃)	压力 (Pa)	流速 (m/s)	标干流量 (N·m³/h)	氧含量 (%)	湿度 (%)
2#焚烧炉 排气筒 采样口	颗粒物、氯化氢、氟化氢		133.0	176	17.2	65046	4.9	26.35
	二氧化硫、 氮氧化物	第一次	132.3	176	17.1	64967	9.0	26.35
		第二次	135.4	191	17.9	67423	4.9	26.35
		第三次	133.0	189	17.8	67288	4.4	26.35
		第四次	131.3	166	16.6	63173	4.9	26.35
	一氧化碳	第一次	133.0	176	17.2	65046	4.9	26.35
		第二次	133.0	176	17.2	65046	4.9	26.35
		第三次	133.0	176	17.2	65046	4.9	26.35
		第四次	133.0	176	17.2	65046	4.9	26.35

表 2 检测方法 & 主要仪器信息

工业废气 (有组织)			单位: mg/m³
检测项目	检测方法 & 方法来源	检出限	主要仪器 (名称、型号及编号)
颗粒物	固定污染源废气 低浓度颗粒物的测定 重量法 HJ 836-2017	1.0	电子天平 SECURA225D-1CN (TTE20192553)
氯化氢	环境空气和废气 氯化氢的测定 离子色谱法 HJ 549-2016	0.2	离子色谱仪 ICS-1100 (TTE20131301)
氟化氢	固定污染源废气 氟化氢的测定 离子色谱法 HJ 688-2019	0.08	离子色谱仪 ICS-1100 (TTE20131301)
二氧化硫	固定污染源废气 二氧化硫的测定 定电位电解法 HJ 57-2017	3	低浓度自动烟尘烟气 综合测试仪 ZR-3260D(A) (TTE20210134) 等
氮氧化物	固定污染源废气 氮氧化物的测定 定电位电解法 HJ 693-2014	3	
一氧化碳	固定污染源排气中一氧化碳的测定 非色散红外吸收法 HJ/T 44-1999	20	便携式红外气体分析仪 MODEL3080-15 (TTE20202017)

报告结束

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2. All rights (included but not limited to copyright) in any test reports, test results, inspection certificates or other materials produced by the Company in the course of providing its services shall remain vested in the Company.
3. The Company undertakes to exercise reasonable caution and accurate scientific method in the performance of its services and accepts responsibility only where such method and caution is not exercised. The Company shall not be liable in respect of any circumstances for more than 10 times the amount of such service charge or agent fee nor more than the total amount of the contract. The Company shall have no liability in respect of any claims for indirect loss including loss of profit and/or loss of future business and/or cancellation of contracts entered into by the Principal.
4. The Company shall not in any event be liable for any loss because of any delay in performance or non-performance of any of its services when the delay is caused by any reason whatsoever that is beyond the Company's control, including but not limited to the following reasons: force majeure happens; the Principal fails to fulfill the obligations in accordance with the contract; due to the Principal's appointment; the loss and damage sustained by the Principal; there is a change to relevant laws, regulations and standards.
5. Test reports, test results or inspection certificates issued following test or analysis of samples stand the Company's specific opinion only. In no case shall the Company's responsibility extend to test reports, test results or inspection certificates on the sample. The Company shall have no liability in respect of any direct or indirect loss whatsoever caused by use of the test reports, test results or inspection certificates.
6. The Company can delegate the performance of the whole or any part of the services contracted with the Principal to any affiliated company or subcontractor without prior written/oral agreement of the Principal. The Company will ensure that instructions to the affiliated company or subcontractor are given and are accompanied by sufficient information to enable the required services to be performed effectively. The Company is deemed to fulfill his obligation when affiliated company of the Company and subcontractors exercising their rights and performing their obligations.
7. If the requirements of the Principal necessitate the analysis of samples by the Principal or by any third party, the Company will pass on the results of the analysis but without responsibility for accuracy of analysis results.
8. The Principal will:
 - (1) Supply, as the Company required, all necessary samples, information and technical documents, and ensures the truthfulness, integrity, legality and effectiveness; ensure samples, information and technical documents provided with no infringement which included but not limited to the violation of intellectual property rights and other rights.
 - (2) Ensure all necessary measures are taken for safety and security of working conditions, sites and installations during performance of the required service.
 - (3) Inform the Company in advance of any known hazards or dangers related to samples, actual or potential, associated with any request for the provision of services by the Company included but not limited to the presence or risk of radiation, toxic or explosive elements or materials, or other potential dangers to human, to thing or to the environment.
 - (4) Take all necessary steps to ensure safe transformation and transfer of samples. The samples shall be cared and be packed properly to eliminate or remedy any obstruction to or interruptions in the performance of the required services when samples delivered by mail. The Company is not liable for loss or damage incurred in the process of delivery.
 - (5) Be subject to the liabilities of compensation for any loss, damage or expense of whatsoever nature and howsoever arising relating to the violation of the terms and conditions of business by the Principal.
9. The Principal shall pay the Company punctually within the time the Principal and the Company has agreed upon. The Principal shall not be entitled to retain or deferring payment of any sums due to the Company on account of any dispute, cross claim or set off which may allege against the Company.
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单位登记号:	510107000126
项目编号:	CDSHCJCJSYXGS593 0-0006

8月8日
烟气检测

检测报告



报告编号 A2210054131114005Ca

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项目名称 工业废气（有组织）

委托单位 仁寿川能环保能源有限公司

委托单位地址 仁寿县宝马镇高照村7社

检测类别 委托检测

报告日期 2021年08月24日

成都市华测检测技术有限公司



No. 3004034760

报告说明

报告编号: A2210054131114005Ca

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1. 本报告不得涂改、增删, 无签发人签字无效。
2. 本报告无检验检测专用章、骑缝章无效。
3. 未经 CTI 书面批准, 不得部分复制检测报告。
4. 本报告未经同意不得作为商业广告使用。
5. 本报告只对本次采样/送检样品检测结果负责, 报告中所附限值标准均由客户提供, 仅供参考。
6. 除客户特别申明并支付样品管理费, 所有超过标准规定时效期的样品均不再做留样。
7. 对本报告有疑议, 请在收到报告 10 个工作日内与本公司联系。

成都市华测检测技术有限公司

联系地址: 成都市高新区新盛路 32 号

邮政编码: 610041

电话: 028-85325707

传真: 028-86283211

编制:

喻诗琪

签发:

王勇

审核:

张甜

签发人姓名/职务:

王勇/实验室负责人

采样地址:

仁寿县宝马镇高照村 7 社

签发日期:

2021/08/24

检测结果

报告编号: A2210054131114005Ca

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表1 工业废气(有组织)

样品信息							
采样日期	2021.08.04			检测日期	2021.08.04~09		
样品状态	采样头、吸收液						
检测结果							
检测点位置	检测项目	实测浓度 mg/m ³	排放浓度 mg/m ³	排放速率 kg/h	生活垃圾焚烧污染 控制标准（含修改单） GB 18485-2014 表 4 mg/m ³	排气筒 高度 m	
2#焚烧炉烟气 处理后 排气筒 采样口	颗粒物	ND	ND	/	30 (1 小时均值)	80	
	氯化氢	1.47	0.91	0.096	60 (1 小时均值)		
	氟化氢	0.11	0.07	7.2×10 ⁻³	---		
	氮氧化 化物	第一次	109	91	7.1		300 (1 小时均值)
		第二次	77	48	5.2		
		第三次	174	105	12		
		第四次	183	114	12		
		平均值	136	90	9.1		
	二氧化 硫	第一次	ND	ND	/		100 (1 小时均值)
		第二次	ND	ND	/		
		第三次	ND	ND	/		
		第四次	ND	ND	/		
		平均值	ND	ND	/		
	一氧 化碳	第一次	ND	ND	/		100 (1 小时均值)
		第二次	ND	ND	/		
		第三次	ND	ND	/		
		第四次	ND	ND	/		
		平均值	ND	ND	/		

注：1. “ND” 表示检测结果小于检出限。

2. “/” 表示检测项目的排放浓度小于检出限，故排放速率无需计算。

3. “---” 表示 GB 18485-2014 表 4 标准中未对该项目作限制。

4. 该表排放浓度以 11%为基准氧含量折算。

检测结果

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接上表:

附：排气参数

检测点位置	检测项目		结果					
			温度 (℃)	压力 (Pa)	流速 (m/s)	标干流量 (N·m³/h)	氧含量 (%)	湿度 (%)
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表 2 检测方法 & 主要仪器信息

工业废气 (有组织)			单位: mg/m³
检测项目	检测方法 & 方法来源	检出限	主要仪器 (名称、型号及编号)
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氯化氢	环境空气和废气 氯化氢的测定 离子色谱法 HJ 549-2016	0.2	离子色谱仪 ICS-1100 (TTE20131301)
氟化氢	固定污染源废气 氟化氢的测定 离子色谱法 HJ 688-2019	0.08	离子色谱仪 ICS-1100 (TTE20131301)
二氧化硫	固定污染源废气 二氧化硫的测定 定电位电解法 HJ 57-2017	3	低浓度自动烟尘烟气 综合测试仪 ZR-3260D(A) (TTE20210134) 等
氮氧化物	固定污染源废气 氮氧化物的测定 定电位电解法 HJ 693-2014	3	
一氧化碳	固定污染源排气中一氧化碳的测定 非色散红外吸收法 HJ/T 44-1999	20	便携式红外气体分析仪 MODEL3080-15 (TTE20202017)

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