

TEST REPORT

CLIENT DETAILS

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 Order Number -
 Samples Exhaust Gas(3)
 Project -

LABORATORY DETAILS

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 Laboratory QingDao Environmental Services
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 Report Number QDE19-00798 R1
 SGS Reference 0000006413
 Date Reported 2019/10/25
 Analysis Date 2019/10/20 - 2019/10/25

COMMENTS

1. The results apply to the sample(s) as sampled.
2. Sampling Address:Duzhuang Industrial Park, Mengyin County, Linyi City.
3. The report is translated from QDE19-00798 R0 .

SIGNATORIES

Amy Yan
 Reported by

Wilson Zhao
 Reviewed by

Torres Chen
 Report Approved by



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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



SGS-CSTC Standards Technical Services (Qingdao) Co., Ltd.
Chemical Laboratory.

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Parameter	Method	Units	LOR	19-00798.001	19-00798.002	19-00798.003
Sample Number				19-00798.001	19-00798.002	19-00798.003
Sample Name				Exhaust gas	Exhaust gas	Exhaust gas
Sample Matrix				Exhaust Gas	Exhaust Gas	Exhaust Gas
Sample Description				-	-	-
Sampling Date	-	-	-	2019/10/18	2019/10/18	2019/10/18
Sampling location	-	-	-	The Detector of Flue gas	The Detector of Flue gas	The Detector of Flue gas
Sampling time(Others)	-	-	-	11:04-12:04	12:39-13:39	13:52-14:52
Sampling time(Mercury)	-	-	-	11:06-11:26	12:41-13:01	13:53-14:13
Sampling time(Formaldehyde)	-	-	-	11:28-11:38	13:03-13:13	14:19-14:29
Sampling time(Chlorine hydride)	-	-	-	11:04-12:04	12:40-13:40	13:52-14:52
Atmospheric Pressure	-	kPa	-	100.6	100.5	100.5
Gas Temp	-	°C	-	25.0	25.9	26.3
Stack gas velocity	-	m/s	-	10.0	9.9	9.9
Sec.ar.	-	m ²	-	0.196	0.196	0.196
Moisture Content	-	%	-	1.9	1.8	1.8
Dry Standard Flowrate	-	m ³ /h	-	6.31 X 10 ³	6.22 X 10 ³	6.21 X 10 ³
Static Pressure	-	kPa	-	0.01	0.01	0.01
Cadmium (Emission rate)	HJ 657	kg/h	-	<9.47×10 ⁻⁸	<9.33×10 ⁻⁸	<9.32×10 ⁻⁸
Cadmium (Emission conc.)	HJ 657	mg/m ³	1.50 X 10 ⁻⁵	<1.50×10 ⁻⁵	<1.50×10 ⁻⁵	<1.50×10 ⁻⁵
Lead (Emission rate)	HJ 657	kg/h	-	<9.47×10 ⁻⁷	<9.33×10 ⁻⁷	<9.32×10 ⁻⁷
Lead (Emission conc.)	HJ 657	mg/m ³	0.00015	<1.50×10 ⁻⁴	<1.50×10 ⁻⁴	<1.50×10 ⁻⁴
Chlorine hydride (Emission conc.)	HJ 549	mg/m ³	0.5	<0.5	<0.5	<0.5
Chlorine hydride (Emission rate)	HJ 549	kg/h	-	0.00192	0.00207	0.00202
Formaldehyde (Emission conc.)	GB/T 15516	mg/m ³	0.5	<0.5	<0.5	<0.5
Formaldehyde (Emission rate)	GB/T 15516	kg/h	-	<3.16×10 ⁻³	<3.11×10 ⁻³	<3.10×10 ⁻³
Mercury(Emission conc.)	HJ 543	mg/m ³	0.005	<0.005	<0.005	<0.005
Mercury(Emission rate)	HJ 543	kg/h	-	<6.04×10 ⁻⁹	<6.73×10 ⁻⁹	<3.62×10 ⁻⁹
Sulphur dioxide (Emission conc.)	HJ 57	mg/m ³	3	<3	<3	<3
Sulphur dioxide (Emission rate)	HJ 57	kg/h	-	<0.0189	<0.0187	<0.0186
CO (Emission conc.)	HJ 973	mg/m ³	3	5	7	<3
CO (Emission rate)	HJ 973	kg/h	-	0.0309	0.0411	<0.0186
Nitrogen oxides (Emission conc.)	HJ 693	mg/m ³	3	<3	<3	<3
Nitrogen oxides (Emission rate)	HJ 693	kg/h	-	<0.0189	<0.0187	<0.0186

Remark:

1. Exhaust Height 15m, was provided by the customer.



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Method List

- HJ 657-2013 Ambient air and stationary source emission-Determination of metals in ambient particulate matter
- HJ 549-2016 Ambient air and stationary source emissions-Determination of Hydrogen Chloride-Ion Chromatography
- GB/T 15516-1995 Air quality-Determination of formaldehyde-Acetylacetone spectrophotometric method
- HJ 543-2009 Stationary source emission. Determination of mercury. Cold atomic absorption spe
- HJ 57-2017 Stationary source emission-Determination of sulfur dioxide-Fixed potential by electrolysis method
- HJ 973-2018 Stationary source emission-Determination of carbon monoxide-Fixed potential by electrolysis method
- HJ 693-2014 Stationary source emission-Determination of nitrogen oxides Fixed potential by electrolysis method



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Method:GB/T 16157-1996*

Equipment Name	Model	Equipment Number	Serial Number
Particulate matter and gas tester	ZR-3260D	EHS3424-3	3260D19058400
Flue Gas Meter Sampling Pump	ZR-3710 (0.2-2.0)	EHS3428-1	371019052852

Method:HJ 657-2013

Equipment Name	Model	Equipment Number	Serial Number
ICP-MS	Agilent 7900 G8403A	QDCH-E334	JP15421108

Method:HJ 549-2016

Equipment Name	Model	Equipment Number	Serial Number
IC	930型	QDCH-E402	1930236044138

Method:GB/T 15516-1995

Equipment Name	Model	Equipment Number	Serial Number
UV	TU-1950	QDCH-E304	24-1950-01-0029

Method:HJ 57-2017

Equipment Name	Model	Equipment Number	Serial Number
Particulate matter and gas tester	ZR-3260D	EHS3424-3	3260D19058400

Method:HJ 973-2018

Equipment Name	Model	Equipment Number	Serial Number
Particulate matter and gas tester	ZR-3260D	EHS3424-3	3260D19058400

Method:HJ 693-2014

Equipment Name	Model	Equipment Number	Serial Number
Particulate matter and gas tester	ZR-3260D	EHS3424-3	3260D19058400

*** End of Report ***



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