

公示稿

公示稿

公示稿

公示稿

2025 1

公示稿

公示稿

公示稿

.....	1
.....	38
.....	88
.....	98
.....	133
.....	136
.....	137

1
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公示稿

公示稿

公示稿

公示稿

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公示稿

公示稿

公示稿

2311-320582-89-01-484784

120 34 5.86 31 58 49.51

C3033

56

303

/

/

2023 966

30000

1500

5%

18

%

m²

67192.35

1-1-

1-1

2

3

500

2

40.48

1

2

1

2

3

2

1

m3/d

2

60

100%

1.2 m³/d

3 m³/d

2.4

m³/d 0.6 m³/d

3

35kV

4

“ ”

m \$ d

2 /

5

300t/h

3

÷



4	<p>2023 4</p> <p>2023 7</p> <p>2023 10 7</p> <p>1-2</p> <p>1-2</p>	<p>2022-2035</p> <p>2022-2035</p>
1	<p>2030</p> <p>2021 36</p>	<p>2020-2030</p> <p>2020-</p>
2		

	3		
	4		
	5		

	<p>2022-2035</p> <p>5</p> <p>2021-2035</p> <p>2021-2035</p> <p>4-2</p>
<p>6</p>	<p>2022</p> <p>2022 2207</p> <p>2022 10 14</p> <p>6</p>

1

1
2022

2022 2207

2022 10 14

1.71km

2020 1

2021 102

2022 145

1.63km

1-3 1-4

1-3

km

34

					km
				12329.4462	1.63
		8		149.3206	2.87
		5.5	500	135.6696	5.52

5.52km
2.87km
2

1.71km

1.63km

2

2023

115

186

82.5%

4.18

8.0%

2.8%

12.3%

14.9%

13.8%

	2023		2023	
		15	36	II
	38.9%	16.7	I~	
100%	V			
4	7	I~III	100%	
	V			
31	()	15	16	III
II		48.4%	25.7	
13	10	17		
	100.0%	2023	5	



	1-5		
	1-5		
1			
2	2019		2024
	2021		
	2007	129	
3		2021	129
		2022	
	2022		2022
		+	+
	2022	55	+RTO
4	VOCs	VOCs	
1			
2			C3033
3			
4			

		1		
		2		
		3		
		1		
		“	”	
		2		
		3	“	”
		1		
		2		
		3		
		4		
	1	“	”	1
	2			3
	34.5			2
				3
				4-

			4	
		3	38.06	5
			“ ”	
		4	34.77	
		5	“ ”	
	1			
	2			
	3			
		5.11.5-1		
	1		1	
			2023 9 7	
			2	432m ³
			3	

2

“
/”

3

4

			2	
	1.		1	
	2		2	
	1			
	2			
	3			
	1			
	2			
	3			
	1			

		2		
		2023		
	5	2023		
		2023		
		477		
				-
				1-7
		1-7		
	1		1	2024
			2	
	2		3	
	3		4	
			5	
	4			
	5			
	1		1	

	2	2	
	3	3	
	1		
	2	2023 9 7	
	3		
	1		
	2	1	
	2	3	
	4		
	2023		
6.			

2012 221

604

2021 9 29

1-8			
2022			
1	2035	2015 2030 2017	
2			
3			
4			
5			

6

7

8

“ ” 332

	2			
	3			
	4			
	5			

6			
7	34		
8			
9			
10			
11			
12	2022	2021	2024 2024 4
13			
14			

15

16

17

			/
			<p>HJ942-2018</p> <p>HJ819- 2017</p> <p>HJ954- 2018</p> <p>HJ820-2017 2022</p> <p>2022 5</p>
	9	2021 45	

1			
2	()		
3			

VOCs
0.3m/s

-ò ě 2 P °• P" ™ %•6

0.5%

5

CONFESP.

		VOCs	
		RTO	
	760	CO	
	300		
	VOCs	VOCs	

2021 65

2
119
1-12

	3	HJ954-2018 HJ820-2017 2022 2022 5 3
11	1	119 2017 278 2017 278 2017 278 2 2022 70

	2022 70			

2.1

2021

30000

67192.35

173117.08

16718.8

4

1

5400

4

`

&

\$

220

50

300

3

2#

đ

					540 0		+5400		
		20kg/25kg		JC/T984 2011	50		0	7200	

		30kg/ 10m 1m 3mm/4m * m	GB18242- 2008 GB18243- 2008 Q/SY YHF011-2005	0	4 / /	+4 /	7200
--	--	--	---	---	-------------	---------	------

30kg/ 10 / 4 /
1350 /

2.2.2

2-2

1		m ²	67192.35	67192.35
2		m ²	16718.8	/
3		m ²	33125.98	/
4		m ²	17138.8	/
5		/	1.8	1.6~3
6		%	59.99	40~65
7		%	6	6%
8		m	23.9	40

2.2.3

4
5400
1
4
2-3
2-3

			/		
--	--	--	---	--	--

1		RDI—A22925-00	4	5	+1	
2		RDI—A12992-03	4	5	+1	

3	RDI—A20453-01	4	5	+1
4	RDI—A20454	4	5	+1
5	RDI--E44072-00	4	5	+1
6	DP-30	4	5	+1
7	RDI--=m !			

25		RDI-A20461-01	4	5	+1	
26	2#	R107DV132M4/V	4	5	+1	
27		RDI-A20461	4	5	+1	
28		COP--01	4	5	+1	
29		RW20-LS	4	5	+1	
30		/	4	5	+1	
31		LX-JC1600	4	5	+1	
32		HDMD-00	4	5	+1	
33	*	only-1215	1	2	+1	/
34		NYP320B-LU-T1-J-W12	3	5	+2	
35		NYP80B/1.0	0	2	+2	
36		NYP320B-R97-235-30KW	4	6	+2	
37		NYP220B-LU-T1-J-W12	3	6	+3	
38		SM-D3/HK	3	5	+2	
39		YZ55-6t	6	6	0	
40		YZ55-14t A17352A13	8	8	0	
41		YZ55-16t	4	4	0	
42		630	0	8	+8	
43		YH-2010/HP	1	1	0	
44		LS250*250	2	4	+2	
45		LS250*6000	0	2	+2	
46		GL300	0	6	+6	
47		HDSJJ1.0-00	0	1	+1	
48		TD250*11950	2	2	0	
49		LS250*14000	3	3	0	
50		CDI-90	1	1	0	
51		LS250*16000	3	3	0	

52	300m ³ /h 70m	1	1	0	
53	9-26NO5.6A	1	1	0	
54	NX-YR-40	1	1	0	
55	0.32MPa	1	1	0	
56	ISW200-400	2	2	0	
57	150ZW180-38	2	2	0	
58	700m ³ /h	1	1	0	
59	15.8m ³ /min	2 1	2 1	0	
60	LY-D150AC	2	2	0	
61	YH01Z03	0	1	+1	
62	NYP200	0	1	+1	
63	CD-2T	0	2	+2	
64	16T	0	2	+2	
65	400	0	1	+1	
1	20t/h	1	1	0	/
2	20t/h	1	1	0	/
3	/	20	20	0	/
4	/	22	22	0	/
5	/	2	2	0	/
6	FJD3000	1	1	0	/
7	FJD2000	4	4	0	/
8	/	2	2	0	/

12	/	1	1	0	/
13	16.3Nm ³ /min	1 1	1 1	0	/
14	/	1	1	0	/
15	/	1	1	0	/
1	V=10m ³ 3000*3000*1200mm	5	5	0	
2	630mm	5	5	0	
3	6500m ³	3	3	0	
4	1200m ³ *3;100m ³ *3;300m ³ * 1	7	7	0	
5	500m ³	1	1	0	
6	500m ³	1	1	0	
7	RCB-60/1.0	1	1	0	/
8	W6.4ZK-90ZIM1W73	4	4	0	
9	W6.4ZK62Z1M1W73	3	3	0	
10	W4.2Z70Z1MbW81	7	7	0	
11	RCB-38/1.0	1	1	0	
12	RCB-38/1.0	4	4	0	
1	RDI—A22925-00	0	4	+4	
2	RDI—A12992-03	0	4	+4	
3	RDI—A20453-01	0	4	+4	

4		RDI—A20454	0	4	+4	
5		RDI--E44072-00	0	4	+4	
6		DP-30	0	4	+4	
7		RDI--E44008-00	0	4	+4	
8		Q=20m/h P=1.0MPa n=136r/min 190	0	9	+9	
9	1#	RDI-E28293	0	4	+4	
10		RDI-A18206	0	4	+4	
11	1#	RDI-A20348-02	0	4	+4	
12	1#	RDI-A20363	0	4	+4	
13		RDI-A20567	0	4	+4	
14	2#	RDI-A20361	0	4	+4	
15		RDI-44127	0	4	+4	
16	1#	HDZQ-00	0	4	+4	
17	2#	HDYT-00	0	4	+4	
18	3#	HDFM-00	0	4	+4	
19	2#	HDSC-00	0	4	+4	
20	4#	HDFM-00	0	4	+4	
21	2#	TD160*8.5	0	4	+4	
22		A19300-01	0	4	+4	
23	SBS	HFY-HP10A21	0	4	+4	
24		HFY-HP10A21	0	4	+4	
25		RDI-A20461-01	0	4	+4	

26	2#	R107DV132M4/V	0	4	+4	
27		RDI-A20461	0	4	+4	
28		COP--01	0	4	+4	
29		RW20-LS	0	4	+4	
30		LX-JC1600	0	4	+4	
31		HDMD-00	0	4	+4	
32		only-1215	0	4	+4	
33		LX-JC1600	0	1	+1	
34		NYP320B-LU-T1-J-W12	0	8	+8	
35		NYP320B-R97-235-30KW	0	6	+6	
36		NYP220B-LU-T1-J-W12	0	3	+3	
37		SM-D3/HK	0	8	+8	
38		YZ55-6t	0	6	+6	
39		YZ55-14t	0	20	+20	
40		YZ55-16t	0	12	+12	
41		630	0	17	+17	
42		YH-2010/HP	0	1	+1	
43		LS250*2500	0	2	+2	
44		TD250*11950	0	2	+2	
45		LS250*14000	0	3	+3	
46		250*250mm	0	9	+9	
47		CDI-90	0	1	+1	
48		100m ³	0	2	+2	
49		250*250mm	0	1	+1	
50		LS250*16000	0	1	+1	
51		300m ³ /h 70m	0	2	+2	
52		7185m ³ /h	0	1	+1	

53		NX-YR-40	0	1	+1		
54		0.32MPa	0	1	+1		
55		10m ³	0	1	+1		
56		6m ³	0	1	+1		
57		ISW200-400	0	4	+4		
58		150ZW180-38	0	4	+4		
59		350m ³ /h	0	2	+2		
60		15.8m ³ /min	0	2	+2		
61		10m ³	0	1	+1		
62		26m ³ /min	0	2	+2		
63		26m ³ /min	0	2	+2		
64		26m ³ /min	0	2	+2		
65		14.5m ³ /min	0	2	+2		
66		SCS-150	0	1	+1		
67		40STD-290WSI3	0	1	+1		
68		50m ³ 0.32MPa	0	2	+2		
69		35m ³ 0.20MPa	0	2	+2		
70		3000mm*3000mm*2000mm	0	1	+1		
71		YZ55-14t	0	6	+6		
72		YZ55-14t	0	2	+2		
1		350	1 1	2 2	+1 1		/
1							
5							
5400 / 4 / 1350 /							

/ 1440 /

1

0.2

			mm	mm	
1	200#	20#	200/150/100	6.0/4.5/4.0	203
2	90#	20#	200/150/100	6.0/4.5/4.0	159
3		20#	150/125/100/80	4.5/4.5/4.0/4.0	112

2.2.3

1

2-6

2-6

t/a

t/a*

90#		131732	263464	+131732	19500
	6500m ³				
	98%	7000	14000	+7000	500
	500m ³				
	3%				
	-				
SBS	-				
	25kg/	22950	45900	+22950	800
APAO					
	20kg/	7056	14112	+7056	3
SBD					

200	/	100kg/	2868	5736	+2868	/
250	/	100kg/	1720	3440	+1720	/
		20~70				
	/	10~20	25	50	+25	5
		500kg/				
200#		500m ³	0	20000	+20000	500
	98%	500m ³	0	6252	+6252	500
	3%					
SBS	-	25kg/	0	4000	+4000	800
APAO		20kg/	0	3000	+3000	3
SBR		20kg/	0	3000	+3000	60
C5		20kg/	0	2000	+2000	30
		/	0	35	+35	/
		100m ³	0	1500	+1500	/
		0.075-0.085m m				
200	/	100kg/	0	145	+145	/
250	/	100kg/	0	85	+85	/

	/	20~70 10~20 500kg/	0	5	+5	5	
1	/	60-120	20000	20000	0	60	
2	/	200	37500	37500	0	60	
3	/	20-40	37500	37500	0	60	
4	/	40-80	17500	17500	0	60	
1	/	40-80	37500	37500	0	200	
2	/	70-140	37500	37500	0	/	
	/	/	32500	32500	0	/	
32.5	/		32500	32500	0	/	
42.5	/		32500	32500	0	/	
	/		20000	20000	0	/	
	/		17500	17500	0	60	
	/	325-400	42500	42500	0	/	
1	/	200	42500	42500	0	90	
2	/	400	42500	42500	0	90	
	/	800	12500	12500	0	30	

	/	/	37500	37500	0	30	
		/	30	60	+30	60	
			243.81 m ³ /	423.81 m ³ /	+180 m ³ /	/	/
	C H O P	170kg/	0.1	0.2	+0.1	0.1	
2-7							
2-7							
90#	470 0.1mm	80~100	204.4	42~52	(LD ₅₀ 5000mg/kg LC ₅₀ 94.4mg/kg LD ₅₀ 2000mg/kg	
200#	470 25~27		204.4	19~28	(LD ₅₀ 5000mg/kg LC ₅₀ 94.4mg/kg LD ₅₀ 2000mg/kg	

	100 50.0mm ² /s	60 15.0mm ² /s		/
SBS	SBS 0.92~0.95	SBS	SBS	
	SBS	SBS	SBS	
	SBS	SBS	SBS	
SBR	1.5-4 ×10 ⁵ ×10 ⁵		2-10	
	40±1	pH3~5	0.99	
C5	1000~2500	3	0.97-1.07	
	70~140	1.512		
	I C9			
		SBR		

280 ~380

$Mg_3 Si_4O_{10} (OH)$

/ /

/

APAO $>320^{\circ}C$ 280 $890kg/m^3$ $20^{\circ}C$ 128 m \$



	0.7174kg/m ³ 650	=1	0.45		
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2.2.4

2-8

2-8

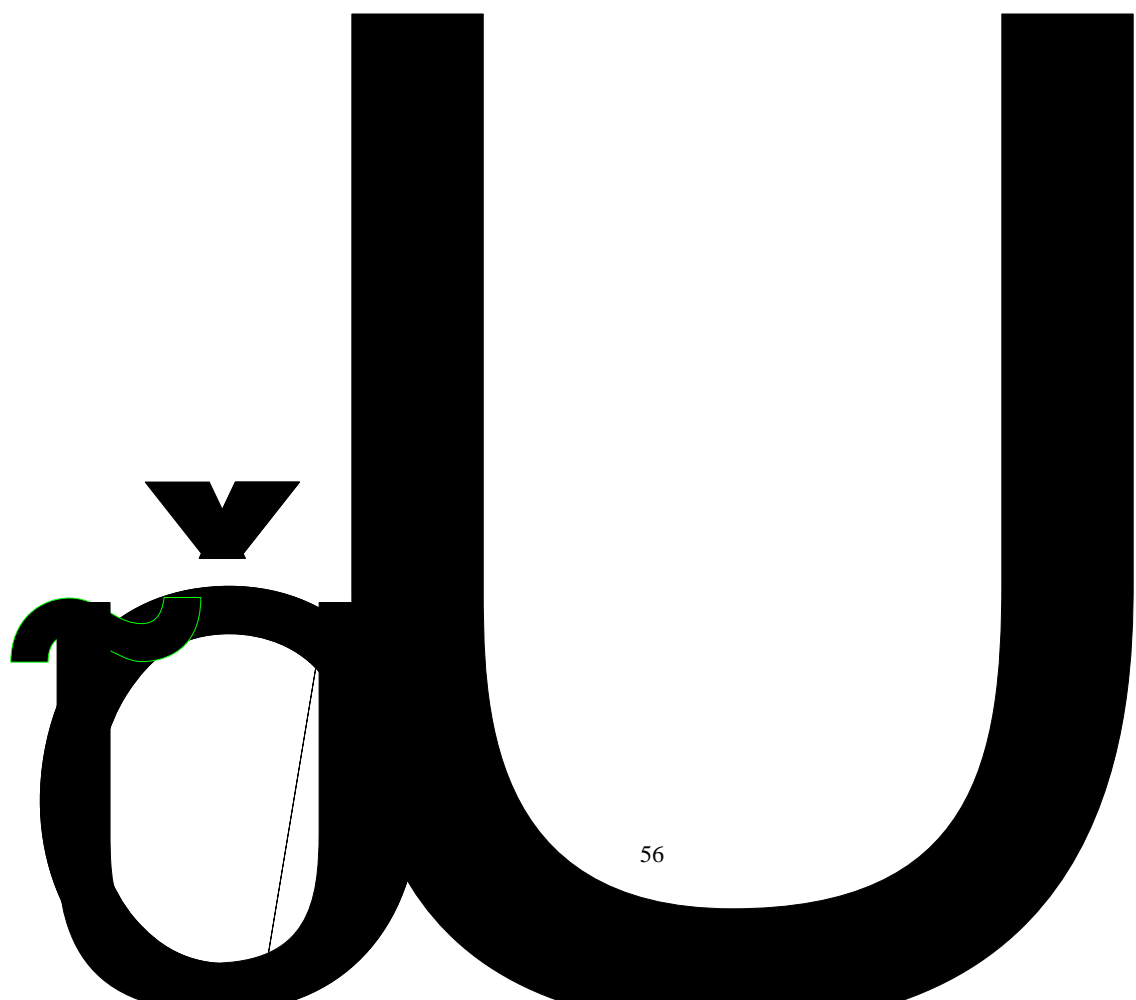
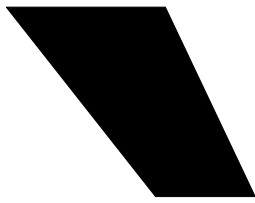
7631.36m² 4

1

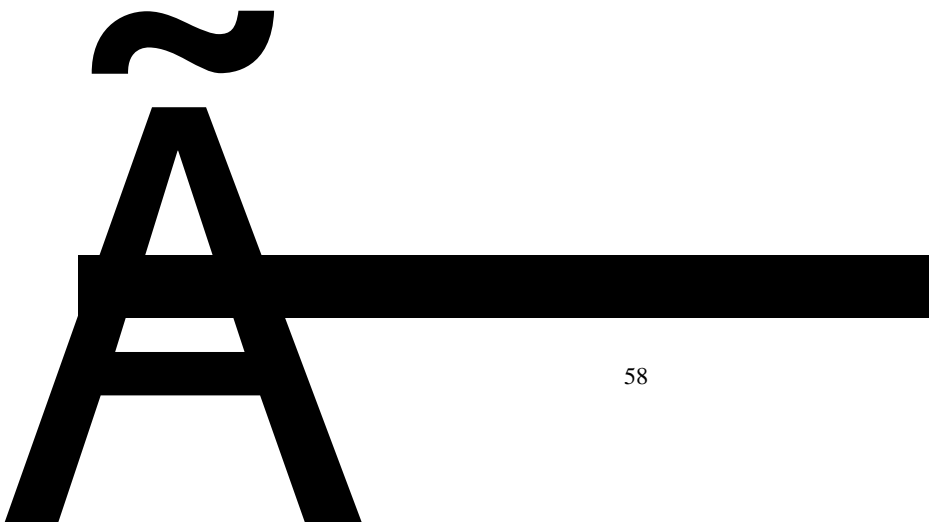
7631.36m² 4

1

17067.76m²



			1	
1	2	700m ³ /h		/
700m ³ /h	350m ³ /h	2		
		350m ³ /h		
31441.51	4031.54	35473.05		/
DA006		DA006		
28.7m		28.7m		
			1	
	+	+		
		+RTO		
2	+		2	+
	+	DA002		+
	+RTO	30m		+RTO
DA001		(
	2	+		
		+		
30m		+RTO		
DA002				
30m		DA001		
		30m		
		DA002		
		30m		



			DA003 27m		DA003 27m	
			DA004 30m	/	DA004 30m	
			DA005 30m		DA005 30m	
			DA007 18m	DA0011 18m	DA007 18m	/
					DA011 18m	

		267m ²		267m ²	/
		599.76m ²		599.76m ²	/
		432m ³		432m ³	/
		425.2m ³	/	425.2m ³	/

2.2.5

1

2

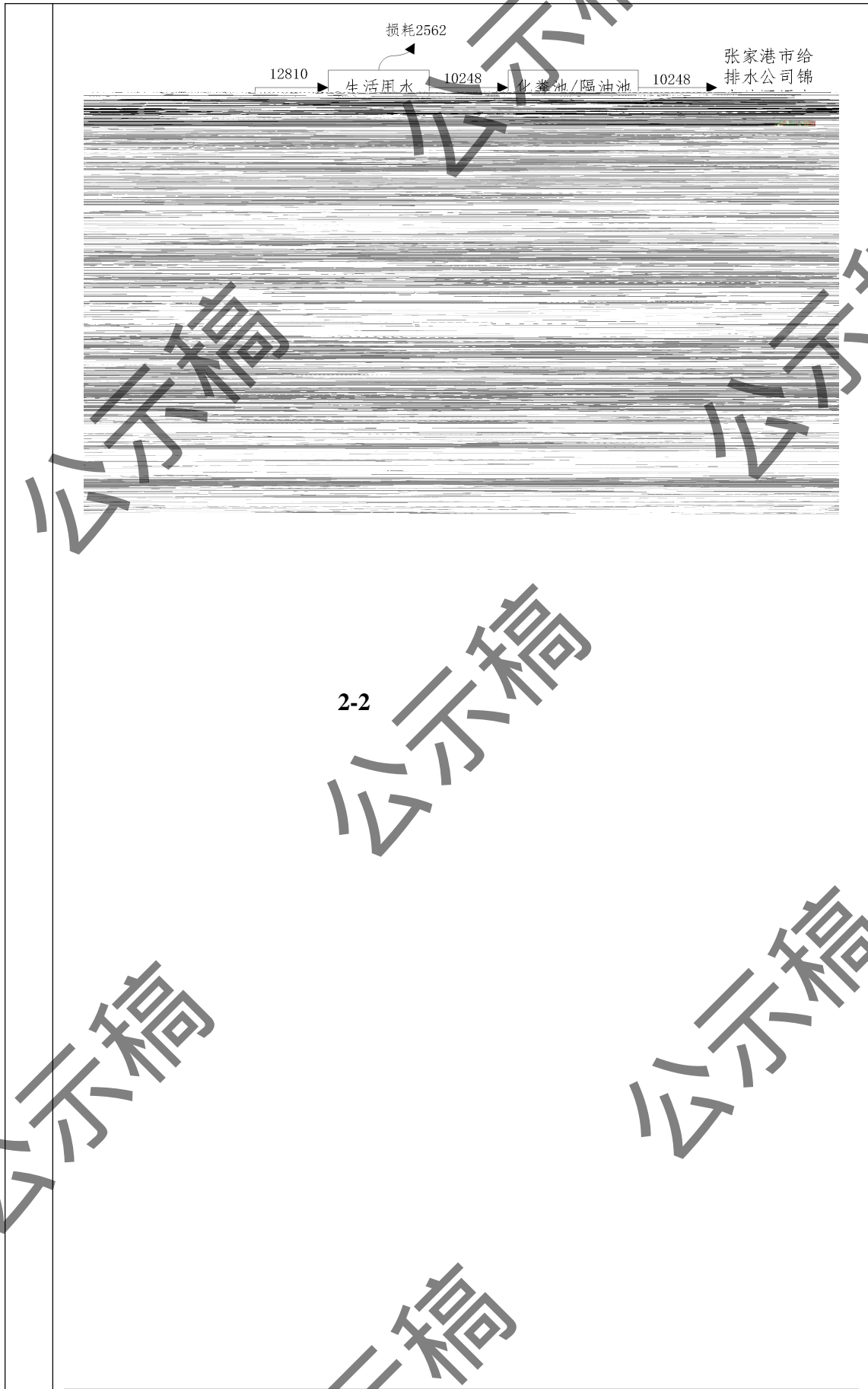
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2-1

2-1

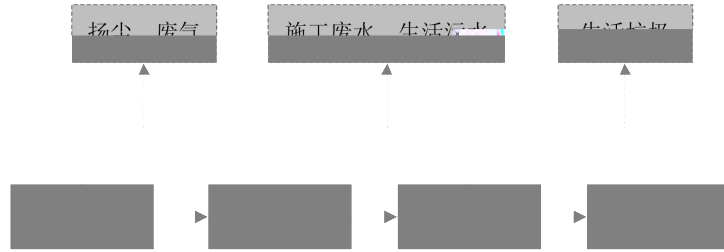
t/a

2-2



2.3

2.3.1



2-3

18

1

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2.3.3	3	W4	5	S4	S5	S6	S7	S8	S9	S10	2-11	2-11																					

			S7	
			S8	
			S9	
			S10	
			/	
			/	

2.4

2.4.1

2021 7

2021 9

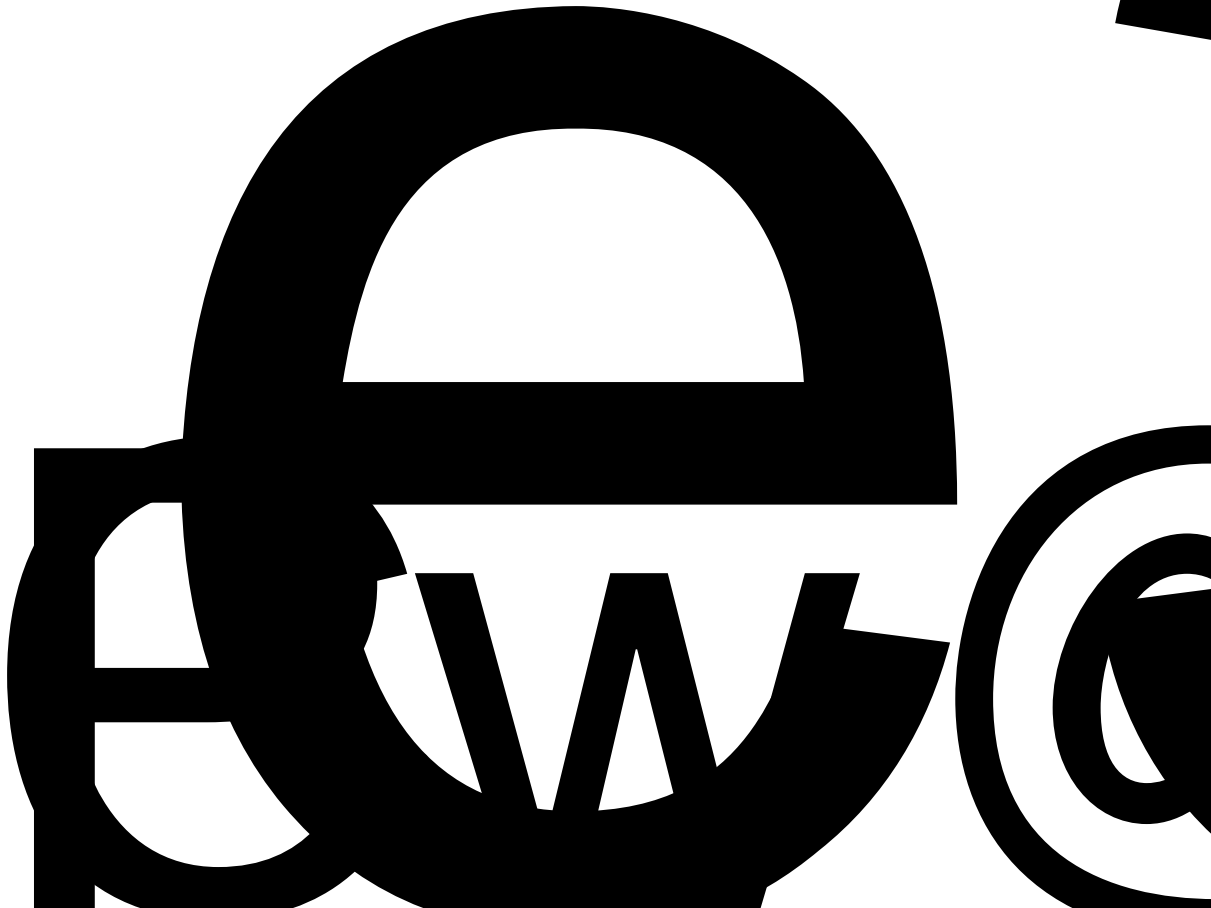
2022 3 14

2022 82 0034

.1

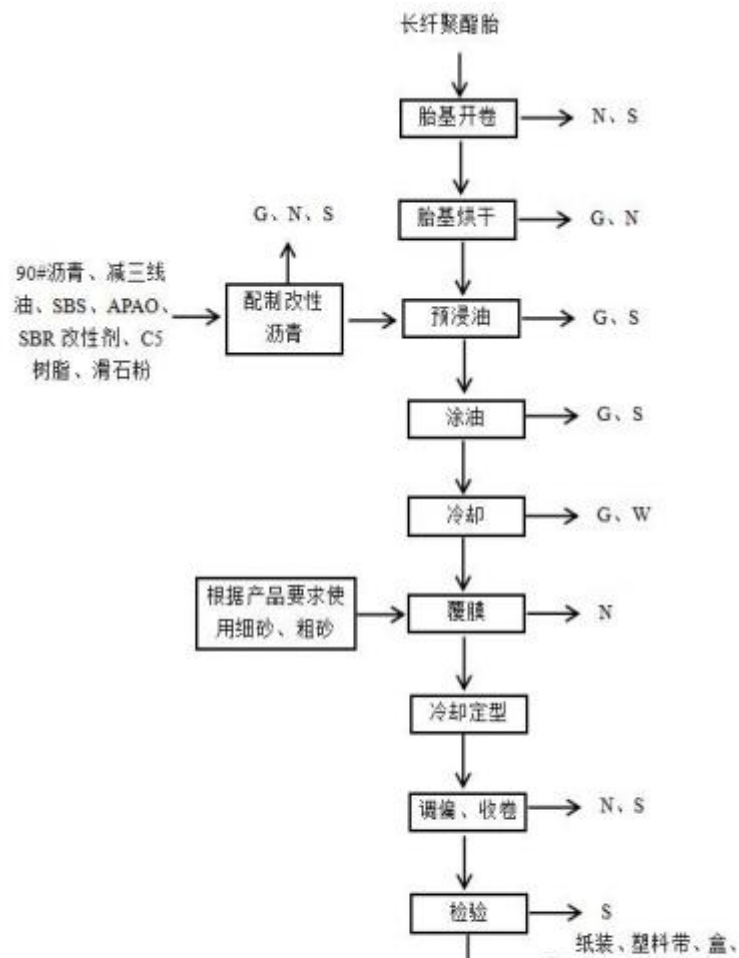
2023 10 27

1



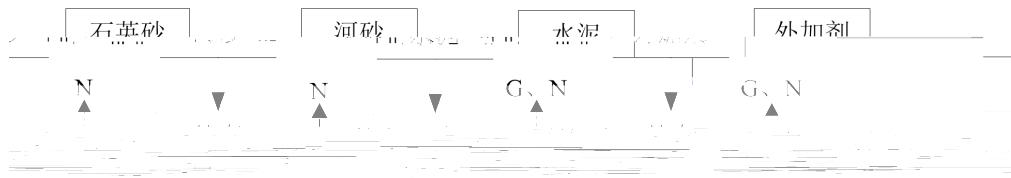
2.4.2

1



2-5

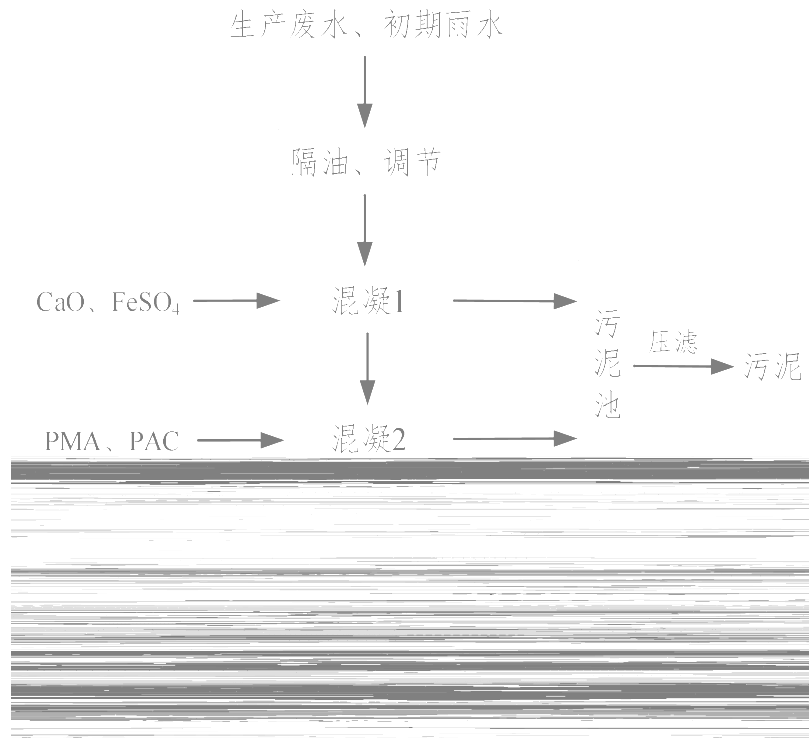
2



2-6

3

4



2-7

3

4

2-15

2-15

			/
1	/	99	0.5
2	/	99	5

				1				
		*		0.65	$1.3^* \times 10^{-2}$		60	3
2023 .9.17	DA 00 2		20851	4	$7.6^* \times 10^{-2}$		20	/
				ND	/	20	/	
				3				
				ND	/	20	1	
				1				
		*		0.96	$2.0^* \times 10^{-2}$		60	3
2023 .9.18	DA 00 3		1394	1.1	$1.6^* \times 10^{-3}$		10	/
2023 .9.19	DA 00 3		1305	1.2	$1.6^* \times 10^{-3}$		10	/
2023 .9.16	DA 00 4		5670	1.2	$7.0^* \times 10^{-3}$		10	/
2023 .9.17	DA 00 4		5432	1.3	$6.9^* \times 10^{-3}$	DB32/4149- 2021	10	/
2023 .9.16	DA 00 5		6949	1.3	8.6×10^{-3}		10	/
2023 .9.17	DA 00 5		6579	1.3	8.5×10^{-3}		10	/
2023 .9.16	DA 00 6		436	ND 1	/		20	1
2023 .9.17	DA 00 6		436	ND 1	/	DB32/4041- 2021	20	1
2023 .9.16	DA 00 7		4691	ND 3	/		35	/
				42	0.15		50	/
				ND 1	/		10	/
						DB32/4385- 2022		

2023 .9.17	DA 00 7		4885	ND 3	9.6× 10 ⁻³			35	/	
				43	0.16			50	/	
				ND 1	/			10	/	

ND

VOCs

DA007

2-17

DA001 DA002

			mg/m ³			mg/m ³
2023.9.1 6	DA007		ND 3	7.8%	3.5%	/
			32	7.8%	3.5%	42
			ND 1	7.8%	3.5%	/
2023.9.1 7	DA007		ND	7.6%	3.5%	
			33	7.6%	3.5%	43
			ND 1	7.6%	3.5%	/

2-18

				2021		
		[a]	ND 0.000009		0.000008	
<p>ND</p> <p>DA001 DA002 DA006</p> <p>DB32/4041-2021 DA003 DA004</p> <p>DA005 DB32/4149-</p> <p>2021 DA007</p> <p>DB32/4385-2022 [a]</p> <p>DB32/4041-2021</p> <p>GB14554-93</p> <p>2</p> <p>2-19</p>						
			mg/m ³		mg/m ³	
			42		50	
			0.168		5	
2023.9			12		/	
.18			20		20	
			0.13		1.0	
			39		50	
			0.17	GB/T	5	
2023.9			12	19923-	/	
.19			20	2024		
			0.15		20	
					1.0	
<p>GB/T 19923-2024</p>						

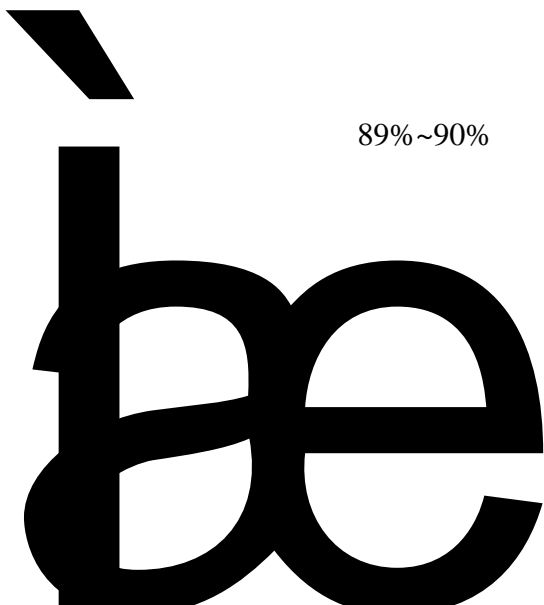
2-20

			dB		dB A			
			A					
2023.9.18	1	GB12348-2008	65	55	57.3	54.0		
	1				61.3	51.9		
	1				57.0	53.0		
	1				54.8	54.3		
2023.9.19	1						57.4	53.8
	1						60.7	51.4
	1						57.0	52.9
	1						53.6	54.6

GB12348-2008 3

GB/T 19923-2024

2.4.5



		2.002	1.116
	[a]	0.000002	/
		0.904	/
		2.292	0.1894
		0.008	/
		1.3	
	[a]	0.000001	/
		0.476	/
		1.207	/
		8488	0
	COD	3.379	0
	SS	1.690	0
		0.296	0
		0.0338	0
		0.507	0
		0	0
		0	0
		0	0

= * /

2.4.6

100

2.4.7

1

2

“ ”

3

/

DA006

28.7m

2

+

+

+RTO

DA001

)

RTO

(

30m

DA002

30m

30m

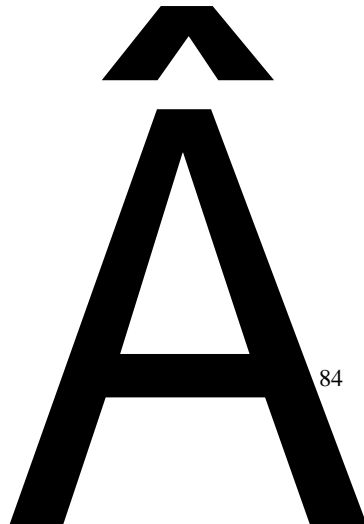
18m

DA003

4

30m

27m



、 P P•g&b8 ' P € . ? ! • f • c >

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7

100m Đ

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100

1

8

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P

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M

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14

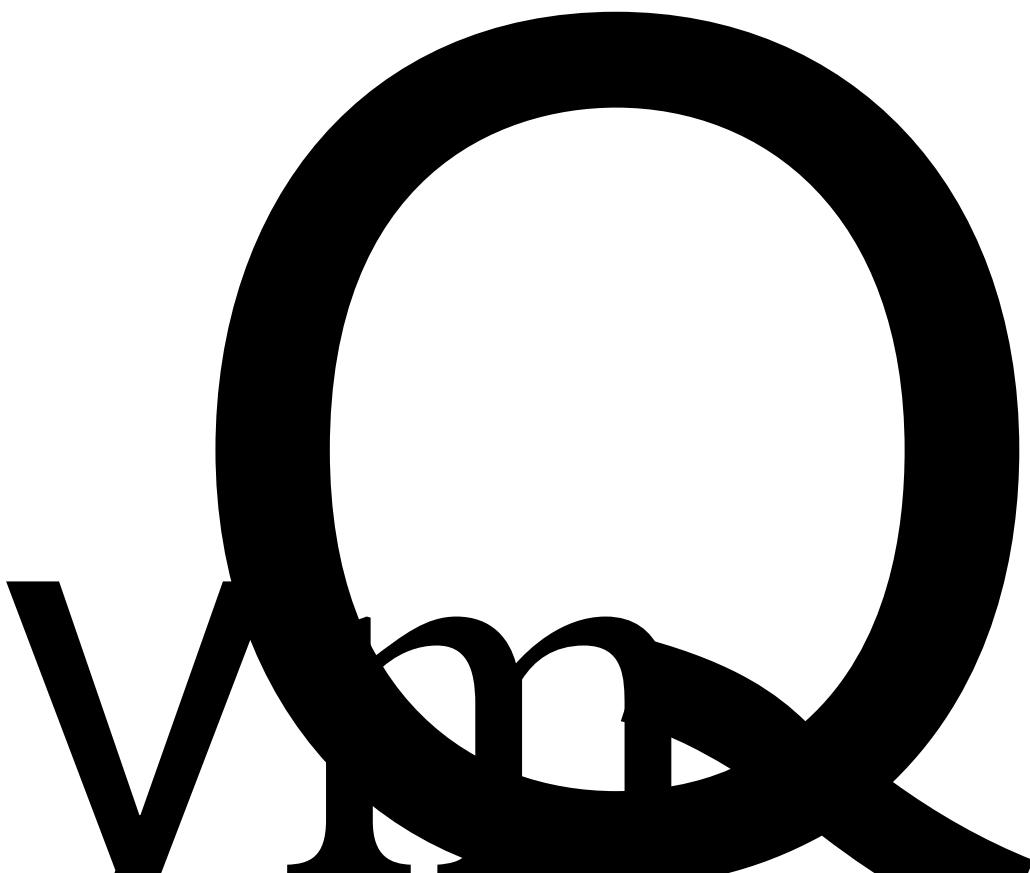
(2015
162)

16

17

2022 3
2022 4
5

5



公尔稿

公尔稿

公尔稿

公尔稿

公尔稿

公尔稿

公尔稿

3.1

3.1.1

1996 133

GB3095-2012

2023

2023

115

186

82.5%

4.18

8.0%

2.8%

12.3%

14.9%

13.8%

3-1 2023

			$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	
SO ₂			10	60	
			14	150	
NO ₂			32	40	
			73	80	
PM ₁₀			54	70	
			94	150	
PM _{2.5}			32	35	
			74	75	
CO mg/m ³	24	95	1.2	4	
O ₃	8		166	160	
	90				

2023

2024 50

2025

PM2.5

30

/

1

VOCs

2020

10%

2022-2035

2022 5 23 2022 5 29

[a]

2024 11 30 2024

12 7

3-2

		/m			ug/m ³)	ug/m ³)	%		
		UTM							
		X	Y						
					2000	440~1950	97.5	0	
	[a]	557587	13405728		0.0025	ND (1*10 ⁻⁴)	/	0	

ND

[a]

[a]

[a]

GB3095-

2012

3.1.2

2023

2023

15

36

II

38.9%

16.7

I~

100%

V

4

7

I~III

100%

V

31 () 15 16 III II
 48.4% 25.7 13
 10 17
 100.0% 2023 5

2023
 1 2023 3-3

3-3

		pH	COD _{Cr} mg/L	BOD ₅ mg/L	mg/L	mg/L	mg/L
		7.5	6.1	0.9	0.06	1.61	0.005
		8.4	13.6	2.4	0.76	4.82	0.02
		7.5~8.4	10.0	1.5	0.28	2.7	0.01
		0	0	0	0	/	0
		/	/	/	/	/	/

3-3

2023.11.21~2023.11.23

W1 500m W2 500m
 3-4

3-4

		pH	COD _{Cr} mg/L	SS mg/L	mg/L	mg/L	mg/L
		7.5	10	35	0.317	0.11	0.03
		7.9	14	38	0.416	0.16	0.04
	III	6-9	20	/	1.0	0.2	0.05
500m		0.45	0.7	/	0.416	0.8	0.8
W1		0	0	0	0	0	0
		7.4	15	32	0.246	0.1	0.03
		7.7	18	36	0.386	0.13	0.04
	III	6-9	20	/	1.0	0.2	0.05
500m		0.35	0.9	/	0.386	0.65	0.8
W2		0	0	0	0	0	0

<p>3.1.3</p> <p>3.1.4</p> <p>3.1.5</p> <p>3.1.6</p>	<p style="text-align: right;">GB 3838-2002 III</p> <p style="text-align: center;">50m</p> <p style="text-align: center;">70</p> <p style="text-align: center;">HJ964-2018 A</p> <p style="text-align: right;">HJ610-2016 A IV J</p> <p style="text-align: right;">III</p>																
<p>3.2</p>	<p style="text-align: center;">500m</p> <p style="text-align: center;">50m</p> <p style="text-align: center;">3.2-1 7</p> <p style="text-align: center;">500</p> <p style="text-align: center;">3-5</p> <table border="1" data-bbox="300 1619 1353 1839"> <thead> <tr> <th colspan="2">UTM</th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2">m</th> </tr> <tr> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>55800 5</td> <td>13406 413</td> <td></td> <td></td> <td></td> <td>SW</td> <td>380</td> </tr> </tbody> </table>	UTM						m	X	Y	55800 5	13406 413				SW	380
UTM											m						
X	Y																
55800 5	13406 413				SW	380											
<p>3.3</p>	<p style="text-align: center;">1</p>																

			200	/	/	/	DB32/4041-2021 1
DA006 DA008			20	1		0.5	DB32/4041-2021 1 3
DA011*			10	/	/	/	DB32/4385-2022 1
			35	/	/	/	DB32/4385-2022 1
			50	/	/	/	DB32/4385-2022 1
			1	/	/	/	DB32/4385-2022 1
DA001 DA002 DA009 DA010 DA011 VOCs VOCs VOCs 3.5% GB37822-2019 3-7							VOCs
TSP ^a		500					
PM ₁₀ ^b		80					
a	(TSP)					15min	
		HJ633	AQI	200~300			
	PM ₁₀ PM _{2.5} TSP	200		g/m ³			
b	(PM ₁₀)					1h	PM ₁₀
		PM ₁₀					

2024

2018 77

GB18918-2002

1

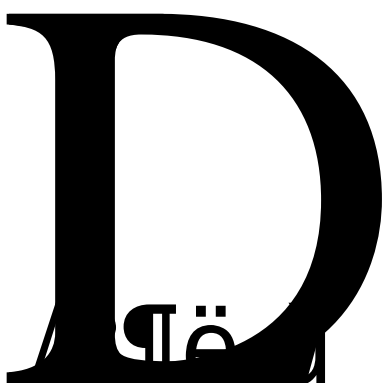
A

3-

8 3-9

3-8

pH	/	6.0~9.0
		20
	NTU	5
BOD ₅	mg/L	10
COD _{Cr}	mg/L	50
	mg/L	5
	mg/L	15
	mg/L	0.5
	mg/L	0.5
	mg/L	1.0
CaCO ₃	mg/L	350
CaCO ₃	mg/L	450
	mg/L	1000
	mg/L	250
	mg/L	2



8
70
100

[1]	3.396	18.872	17.194	1.678	0	5.074	+1.678
	0.904	11.657	10.492	1.165	0	2.069	+1.165
	2.492	7.215	6.702	0.513	0	3.005	+0.513
SO ₂	0.964	0.09	0	0.09	0	1.054	+0.09
NO _x	2.002	1.017	0	1.017	0	3.019	+1.017
[a]	2E-06	2.573E-05	2.3155E-05	2.575E-06	0	4.575E-06	+2.575E-06
VOCs ^[2]	2.292	29.560	26.605	2.955	0	5.247	+2.955
	0.008	0	0	0	0	0.008	0
	1.776	0.306	0	0.306	0	2.082	+0.306
	0.476	0.238	0	0.238	0	0.714	+0.238
	1.3	0.068	0	0.068	0	1.368	+0.068
[a]	1E-06	5.25E-07	0	5.25E-07	0	1.525E-06	+5.25E-07
VOCs	1.207	0.604	0	0.604	0	1.811	+0.604
	8448	1800	0	1800	0	10248	+1800
COD	3.379	0.72	0	0.72	0	4.099	+0.72
SS	1.690	0.45	0.09	0.36	0	2.05	+0.36
	0.296	0.063	0	0.063	0	0.359	+0.063
[3]	0.0338	0.0072	0	0.0072	0	0.041	+0.0072
	0.507	0.108	0	0.10			



4.1

4.1.1

4.1.2

4.1.3

4.1.4

4.2

4.2.1

DB32/4385-2022

[a]

DB32/4041-2021

GB14554-93

RTO

SO₂ NO_x

DB32/4041-2021

[a]

DB32/4041-2021

4.2.2

1

2

700t/h

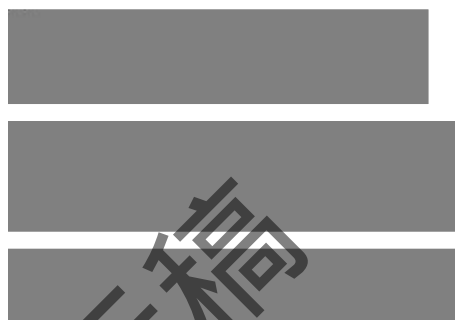
34

42

700t/h

(GBT50102-2014)

$$Q_e = K_{ZF} \cdot \Delta t \cdot Q$$



Qe	KZF	0.0015	t
Qw	Pw	0.1	
Qb	N	5	
Qm			
Q		700t/h	
			5040000t/a
700t/h,7200h/a		Qe 60480t/a	8.4t/h
Qw 5040t/a	0.7t/h	Qb 10080t/a	1.4t/h
Qm 75600t/a			
COD 1000mg/L	SS 500mg/L		15mg/L
			RTO
	2.0t/d 600t/a		25%
RTO		1200t/a	
900t/a			COD
1000mg/L	SS 600mg/L	15mg/L	
			3t/
1t/	2	2	
72t/a	24t/a		
COD 1500mg/L	SS 600mg/L	120mg/L	
	2t/	2	
4t/a		COD 500mg/L	SS
200mg/L	60mg/L		
		2019	
	150L/	50	
2250m ³ /a	80%	1800t/a	

COD 400mg/L SS 250mg/L 35mg/L
4mg/L 60mg/L 60mg/L

4031.54m²

GB50015-2019 1~3L/(m² d)
3L/(m² d) -

			60	0.00024					
		COD	400	0.72		COD	400	0.72	500
		SS	250	0.45		SS	200	0.36	400
			35	0.063			35	0.063	45
			4	0.0072			4	0.0072	8
			60	0.108			60	0.108	70
	1800				/				
			60	0.108			60	0.108	100

2

11008t/a 36.7t/d

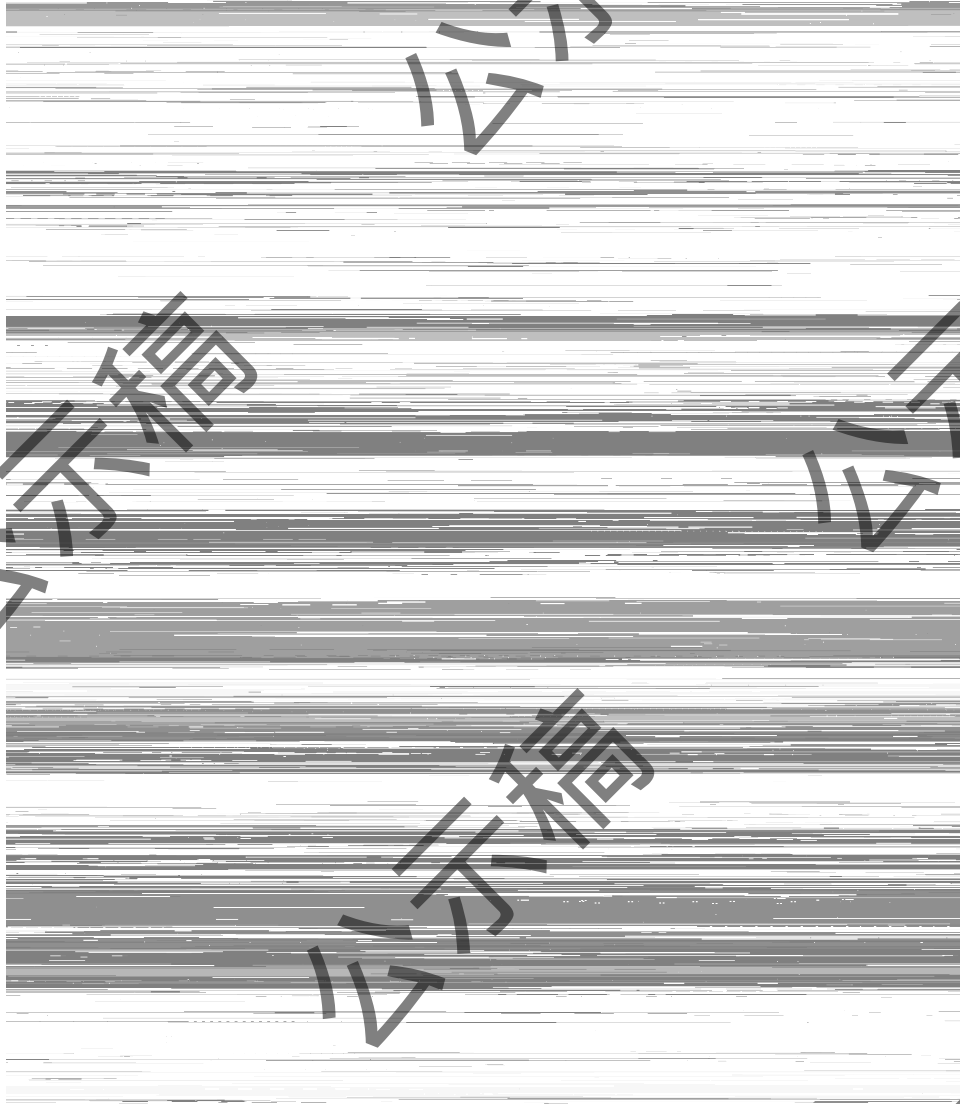
80t/d

20515.1 68.4t/d

68.4t/d

4-1

生产废水



4-1

+

FeSO₄ PAC

PAM

UASB

BGEF

100m²/g

96%

0.8mm

SS

4-2

4-3

4-2

	pH	COD mg/L	SS mg/L	mg/L
	7~8	800~1500	500~600	10-20

4-3

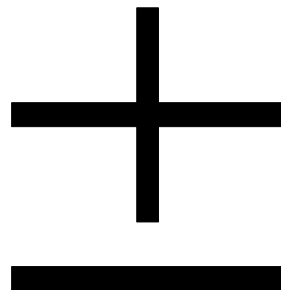
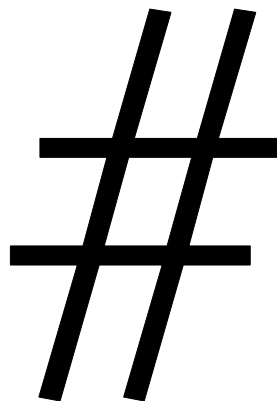
h9™b | P /

pH

COD

SS

mg/L



	/	6.5~8.5	50	/	1
4-4					
4-4					
		t/a	t/a		t/a
1		86509.2	20510.1		65999.1
80t/d					
7.5t/d					
80t/d					
3					
m ³ /d				3.0	6.0
12	2012	6		m ³ /d	2011
204					2.5
t/d		A2/O+			2011
		2			
(GB18918-2002)	1	A			
			3	m ³ /d	2.5
t/d	0.5	t/d			

0.5

34.16t/d

COD

TP TN SS

4

ì

1		COD SS							
2		COD SS				+			
3		COD SS			/	+	/	/	
4		COD SS				+			
5		COD SS				/	DW001		
4-7									
		UTM							
				/					
				t/a					
									mg/L
									6-9
									pH
									COD
									30
									SS
									10
									1.5
1	DW001	557973	13407613	1800		/			3 *
									0.3
									10
									1

90dB A

GB12348-2008 3

4-10

	/	/dB(A)	/m			/dB(A)	/dB(A)	/dB(A)	
			X	Y	Z				
			/m						
1	80	163	108	1	10	66	25	41	
2	75	148	143	1	5	61	25	36	
2	75	143	132	1	5	61	25	36	
3	75	154	128	1	5	61	00	25	36
2	85	131	88	1	4	72	00-24	25	47
1	75	150	111	1	6	60	00	25	35
1	80	178	58	1	10	60	00	25	35
4	80	174	352	1	8	62	00	25	37

		8	75		174	438	1	5	61		25	36
		6	75		164	416	1	5	61		25	36
		3	75		150	393	1	5	61		25	36
		8	85		136	359	1	8	67		25	42
		2	75		182	451	1	5	61		25	36
		1	75		167	230	1	5	61		25	36
		1	75		2181	431	1	5	61		25	36
		2	85		177	253	1	8	67		25	42
		1	70		232	239	1	2	64		25	39

X

Y

4-11

		/	/m			/dB(A)		
			X	Y	Z			
1		4	279	415	1	75		00 00-
2		4	275	384	1	75		24 00

3		2	258	352	1	80		
---	--	---	-----	-----	---	----	--	--

X

4-12			
			/
			10
	/		50
	/		10

4-13		dB(A)							
	57.4	54.0	28.45	57.41	54.01	65	55		
	61.3	51.9	29.02	61.3	51.92	65	55		
	57.0	53.0	44.96	57.26	53.63	65	55		
	54.8	54.6	36.97	54.87	54.67	65	55		

44.96dB(A)

GB12348-2008

3

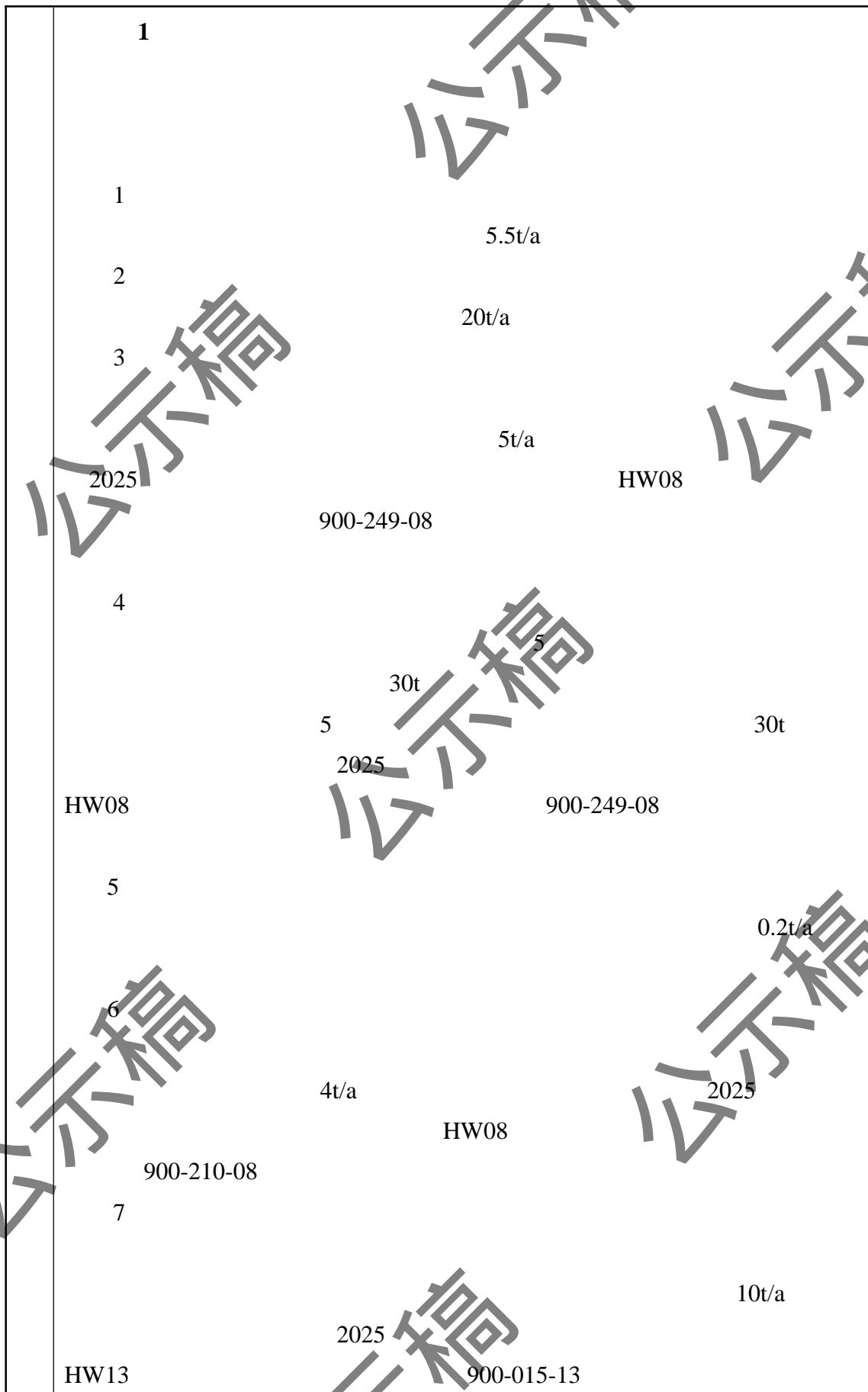
3

4-14

4-14

	1m	A	1 /
	1		

4.2.4



8					0.553t 1.106t/a		
2025						HW49	
	900-041-49						
9					0.1t/a		
						2025	
						900-249-08	
10							
11					50t/a		
	2						
					0.01t/a		
12							
					50		
					0.5kg/		
						7.5t/a	
						GB34330-2017	
							4-15
							4-15
1					t/a		
					5.5	/	
							GB34330-2017
2					20	/	

3					30t/5a	HW08	900-249-08	T
4					4	HW08	900-210-08	T
5					10	HW13	900-015-13	T
6					1.106	HW49	900-041-49	T
7					0.1	HW49	900-041-49	T
8					0.01	HW08	900-210-08	T
9					5.5	SW59	900-099-S59	
10					0.2	SW59	900-009-S59	
11					50	SW59	900-099-S59	
12					7.5	SW64	900-099-S64	
4-17								
4-17								
								t/a

1			HW49	900-041-49	5.5			5.5
2			HW08	900-249-08	5			5
3			HW08	900-249-08	30t/5a			30t/5a
4			HW08	900-210-08	4			4
5			HW13	900-015-13	10	267		10
6			HW49	900-041-49	1.106			1.106
7			HW49	900-041-49	0.1			0.1
8			HW08	900-210-08	0.01			0.01
9			/	900-099-859	5.5		599.76m ²	5.5

10			/	900-009-S59	0.2			0.2
11			/	900-099-S59	50			50
12			SW64	900-099-S64	7.5	/	/	7.5

599.76m²

267m²

4-18

m² t
/a

1 HW49 900-041-49 5 9

4

5			HW49	900-015-13		5			30
6			HW49	900-041-49		5			30
7			HW49	900-041-49		1			30
8			HW08	900-210-08		1			30
9			/	/	/	599.76	/	/	/

2

a

599.76m²

GB15562.2-1995

1

2

GB15562.2

3

4

b

267m²

GB18597-2023

1

2

3

4

5

5

6

>

2024 16

2019 149

2019 53

2019 82

2019 222

A.

4.2.6

1.63km

4.2.7

1

HJ169-2018

Q
Q

Q

$$Q = \frac{q_1}{Q_1} + \frac{q_2}{Q_2} + \dots + \frac{q_n}{Q_n}$$

q₁ q₂ ... q_n —
Q₁ Q₂.....Q_n —

4-20

CAS

t

t
*

q/Q



6		/	10	50	0.2
q/Q					0.43604
[1]				HJ169-2018	B

[2]

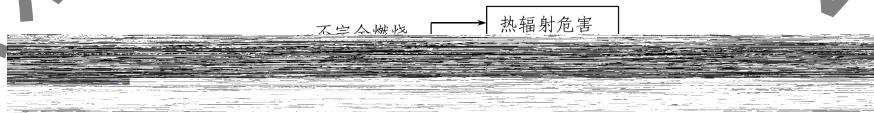
HJ169-2018 “ B.2 ” “
 2 3 ” 50t
 Q 0.43604 1
 I
 HJ169-2018
 “} Ö" P ‘U" y Ž0
 2



RTO				

/

4-2



4-2

4-22

4-22

			/	/	
			/		
			/		
			/	/	
			/	/	
			/	/	
		RTO	/		

			/	/
			/	
			/	
			/	/
			/	
			/	/

4-23

4-23

4

1

+

+RTO

a.

b.

V1	0m ³				500m ³				V1	0m ³
V2					m ³					
	GB50016-2014	2018							GB55037-	
	2022								GB50974-2014	
		40L/s				3h				432m ³
		20%			V2=345.6m ³					
V3	0m ³									
V4	0m ³									
V5	=80m ³									
				qa	1068.6mm				n	135
					F	1hm ²				
V		V1	V2	V3	max	V4+V5	425.6m ³			
							432m ³			
a.										
b.										

	RTO		
	RTO		RTO
a	RTO		RTO
b	RTO		
c	RTO		
d		5mg/m ³	
e	RTO		
f	RTO		
	GB50016	GB50160	GB51283
g			
h	RTO		
i	RTO		
j			
k	RTO		PLC
l	RTO		
m			
n	RTO		
o			
	HJ1093-2020		RTO
	2021	46	
P	RTO		
		DB32/T4700	

2020 16

2020 50

2022 17

2020 101

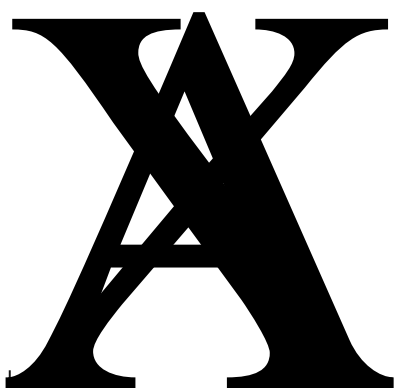
RTO

2

2015 4

DB32/T3795-2020

	/			
	/			
DA002	[a]	+ +RTO		
DA006				
DA008				
DA009	[a] SO ₂ NO _x	+ +RTO / /	DB32/4041- 2021 GB14554- 93	
DA010	[a] SO ₂ NO _x	+ +RTO / /		
DA011	[a] SO ₂ NO _x	+ +RTO / /	DB32/4385- 2022 DB32/4041- 2021 GB14554-93	



				DB32/4041-2021
		COD SS		GB/T 19923-2024
		pH COD SS	/	
				GB12348-2008 3
			4.2.7	

			3
	20	5	5

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		t/a	t/a	t/a	t/a	t/a	t/a	t/a
		5.172	5.172	/	1.984	/	7.156	+1.688
		1.38	1.38	/	1.403	/	2.783	+1.174
		3.792	3.792	/	0.581		4.373	+0.514
	SO ₂	0.964	0.964	/	0.09	/	1.054	+0.09
	NO _x	2.002	2.002	/	1.017	/	3.019	+1.017
	[a]	3E-06	3E-06	/	3.10E-06	/	6.09E-06	+2.589E-06
		3.499	3.499	/	3.559	/	7.058	+2.978
		0.008	0.008	/	0		0.008	+0
		/	/	/	/	/	/	/
		8448	8448	/	1800		10248	+1800
	COD	3.379	3.379	/	0.72	/	4.099	+0.72
	SS	1.69	1.69	/	0.36	/	2.05	+0.36
		0.296	0.296	/	0.063		0.359	+0.063
		0.0338	0.0338	/	0.0072	/	0.041	+0.0072
		0.507	0.507	/	0.108		0.615	+0.108

		0.507	0.507	/	0.108		0.615	+0.108
		5.5	5.5	/	55.7	/	61.2	/
	/	60.1	60.1	/	55.707	/	115.807	/

= + + - = -

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公示稿

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2024 12

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1.	1
1.1.	1
1.2.	2
1.3.	4
1.4.	4
1.5.	14
2.	18
2.1.	18
2.2.	18
2.3.	20
2.4.	24
2.5.	30
2.6.	39
2.7.	45
3.	60
3.1.	60
3.2.	61
4.	63
4.1.	63 m M #
4.2.	e	

\$

X

I

!"

1.

1.1.

2021 07

2021 9

2022 3 14

2022 82 0034

5400

50

2023 10 23

4

1

4

90#

54000

200#

1.2.

1.2.1.

1		2014.4.24
2		2021.3.1
3		2018.10.26
4		2018.12.29
5		2017.7.16
6		2021
7		2024
8		2021
11	2	
9		
2014	197	
10		
2016	150	
11		2024.7.1
12		2021.3.1
13	<	2022 >
	2022	7

1.2.2.

1		6	5
2		2018.11.23	
3	<	2022	>
	2022	55	

4			1997
122			
5		<	
		>	2018 24
6			2016
185			
7			
	2019	36	
8			2013
		2013	2013
323			
9			2022
2022	5		
10			
	2022	1 24	
11			2022
33			

1.2.3.

1	HJ2.1-2016
2	HJ2.2-2018
3	HJ884-2018
4	HJ819-2017
5	HJ942-2018
6	HJ954-2018
7	HJ820-2017

1.2.4.

1

2023 966

2

1.3.

1.3.1.

1.3.2. 602

1-1

1-1

	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	CO	PM ₁₀	PM _{2.5}	SO ₂	NO _x	NO _x	SO ₂	[a]	
	O ₃				[a]	NMHC		[a]					

1.4.

1.4.1.

HJ2.2-2018

P_i i i
 10% $D10\%$ P_i
 P_i (C_i/C_{0i}) 100%
 P_i i %
 C_i i 1h
 mg/m^3
 C_{0i} i mg/m^3
 C_{0i} GB 3095 1h
 5.2 1h
 8h
 2 3 6 1h
 1-2
 1-2

	P_{max} 10%
	1% P_{max} 10%
	P_{max} 1%

1-3
1-3

/	
/	40.9
/	-14.2
/m	90
/km	/
/°	/

6 2

[a] SO₂ NO_x

1-4~ 1-5

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1-4

DA002												
PM ₁₀		PM _{2.5}		[a]								
/(μg/m ³)	/%	/(μg/m ³)	/%	/(μg/m ³)	/%	/(μg/m ³)	/%	/(μg/m ³)	/%	/(μg/m ³)	/%	
0.3572	0.08	0.1429	0.06	4.96E-07	0.01	1.1965	0.06	0.0396	0.01	1.3930	0.56	
D10%												
/m	/	/	/	/	/	/	/	/	/	/	/	
DA006												
PM ₁₀		PM _{2.5}										
/(μg/m ³)	/%	/(μg/m ³)	/%									
2.8192	0.63	1.1082	0.49									

D10%	/		/										
/m					DA008								
	PM ₁₀		PM _{2.5}										
	/(μg/m ³)	%	/(μg/m ³)	%									
	2.8192	0.63	1.1082	0.49									
D10%	/		/										
/m					DA009								
	PM ₁₀		PM _{2.5}		[a]								
	/(μg/m ³)	%	/(μg/m ³)	%	/(μg/m ³)	%	/(μg/m ³)	%	/(μg/m ³)	%	/(μg/m ³)	%	

	0.3572	0.08	0.1409	0.06	7.09E-07	0.01	0.8215	0.04	0.0209	0	0.1964	0.08
D10%	/		/		/		/		/		/	
/m	/		/		/		/		/		/	
	DA010											
	PM ₁₀		PM _{2.5}		[a]							
	/(μg/m ³)	/%	/(μg/m ³)	/%	/(μg/m ³)	/%	/(μg/m ³)	/%	/(μg/m ³)	/%	/(μg/m ³)	/%
	0.3572	0.08	0.1409	0.06	7.08E-07	0.01	0.8215	0.04	0.0209	0	0.1964	0.08
D10%	/		/		/		/		/		/	

/m									
	DA011								
	PM ₁₀		PM _{2.5}						
	/(µg/m ³)	/%	/(µg/m ³)	/%	/(µg/m ³)	/%	/(µg/m ³)	/%	
	0.7576	0.17	0.3009	0.13	0.0601	0.01	0.9471	0.39	
D10%	/		/		/		/		
/m									

1-5

PM₁₀

PM_{2.5}

[a]

/(µg/m³)

/%

/(µg/m³)

/%

	PM ₁₀		PM _{2.5}		[a]			
	/($\mu\text{g}/\text{m}^3$)	/%	/($\mu\text{g}/\text{m}^3$)	/%	/($\mu\text{g}/\text{m}^3$)	/%	/($\mu\text{g}/\text{m}^3$)	/%
	20.516	4.56	8.2604	3.65	1.66E-05	0.22	19.4902	0.97
D10%	/m	/	/	/	/	/	/	/

1-4~ 1-5

PM₁₀

8.85%

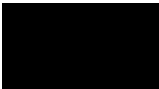
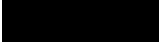
HJ2.2-2018

5km

1.4.2.

5km

1.4.3.

	UTM			
	X	Y		m
21	558702	13404660	SW	2388
22	558745	13406124	SW	1554
23	558958	13405245	SW	2358
24	559043	13405837	SW	2269
25	559122	13406374	SW	2427
26	557897	13404896	W	1942
27	558558	13404314	SW	2091
28	558169	13404199	SW	2381
29	559205	13405591	SW	2775
30	558519	13407493	S	871
31	558503	13406819	S	1185
32	558532	13407122	S	1037
33	558652	13406705	S	1525
34	558813	13406704	S	1679
35	558696	13407037	S	1475
36	558735	13407703	SE	1489
37	558891	13407901	SE	1750
38	558712	13408184	SE	1629
39	558863	13409882	SE	1469
40	1 559071	13408553	SE	2373
41	559132	13409618	SE	2982
42	558691	13408799	SE	1491
43	558782	13408965	SE	2132
44	1 558979	13409095	SE	2420
45	559158	13410023	SE	3248
46	558938	13409668	SE	2563
47	558863		SE	2576
48	558549		SE	1360
49	558278	13408550	SE	1161
50	558528	13409633	SE	179

Shado

		/m					
		UTM					
		X	Y				
55		557979	13409321			E	1278
56		557811	13409589			E	1646
57		557955	13410118			E	2362
58		557392	13409304			NE	1568
59		557421	13409820			NE	2030
60		557583	13410613			NE	2250

1.5.

1.5.1.

PM₁₀ PM_{2.5} CO O₃ [a]

SO₂ NO₂
GB3095-2012

1-7

1-7

SO ₂		60		μg/m ³	GB3095-2012
	24	150			
	1	500			
NO ₂		50			
	24	100			
	1	250			
NO ₂		40			
	24	80			
	1	200			
PM ₁₀		70			
	24	150			
PM _{2.5}		35			
	24	75			
CO	24	4		mg/m ³	
	1	10			
O ₃	8	160		μg/m ³	
	1	200			
[a]		0.001		μg/m ³	

1-9

		mg/Nm ³	kg/h			
					mg/Nm ³)	
DA001 DA002 DA009 DA010		60	3		4.0 1h 6 20	DB32/4041-2021 1 2 3
	[a]	0.0003	0.000009		0.000008	DB32/4041-2021 1 3
		20	0.11			DB32/4041-2021 1 3
		20	1		0.5	DB32/4041-2021 1 3
		15000			20	GB14554-93 1 2
		200	/	/	/	DB32/4041-2021 1
		200	/	/	/	DB32/4041-2021 1
	DA006 DA008		20	1		0.5
DA011*		10	/		/	DB32/4385-2022 1

		35	/	/	/	DB32/4385-2022 1
		50	/	/	/	DB32/4385-2022 1
		1	/	/	/	DB32/4385-2022 1

DA001

DA002

DA009

DA010

VOCs

DA011

3.5%

VOCs

5B X W

2.

2.1.

30000

1500

67192.35

173117.08

16718.8

220

50

300

3

8h

7200h

2.2.

2.2.1.

4

1

5400

2.2.2.

2-1

2-2

2-1

		7631.36m ² 4	1	7631.36m ² 4	1
			17067.76m ² 4	17067.76m ² 4	/
		4252.16m ² 5	/	4252.16m ² 5	

90#

200#

2-2

2-2

									h/a
		10m; 1m	GB18242-2008	5400	5400	0	7200		
		3mm/4mm		/	/				

5400 +5400

/ /
/

2-3

1
82.32m² 2 350
1
1

		67333t/a	69326t/a	86577.1t/a
			8448t/a 1800t/a	8448t/a 1800t/a
		1121.03 /	1015.52 /	2136.55 /
		47.4m ³ /min 32.6m ³ /min	31.6m ³ /min	47.4m ³ /min 32.6m ³ /min 31.6m ³ /min
		1 700m ³ /h	2 350m ³ /h	1 700m ³ /h 2 350m ³ /h
		31441.51	4031.54	35473.05
		DA006 28.7m		DA006 28.7m
		2 + +RTO DA001 30m DA002 30m	1 + +RTO DA002 30m	2 + +RTO DA001 30m DA002 30m

				2 + + +RTO	
			DA001 30m DA002 30m		
	/		DA008 28.7m	DA008 28.7m	
	/		2 + + +RTO DA009 30m DA0010 30m	2 + + +RTO DA009 30m DA0010 30m	
		DA003 27m		DA003 27m	
		DA004 30m	/	DA004 30m	
		DA005 30m		DA005 30m	
					/

		DA007 18m	DA0041 18m	DA007 18m DA0011 18m
			+	
			+	
			+	
		267m ²		267m ² /
		599.76m ²		599.76m ² /
		432m ³		432m ³ /
		425.2m ³	/	425.2m ³ /

2.4.

2.4.1.

2-4

2-4

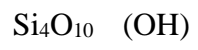
			t/a			t/a*		
90#		6500m ³	131732	263464	+131732	19500		
	98%	500m ³	7000	14000	+7000	500		
	3%							
SBS	-	25kg/	22950	45900	+22950	800		
APAO		20kg/	7056	14112	+7056	3		
SBR		20kg/	3764	7528	+3764	60		
C5		20kg/	3098	6169	+3098	30		
		/	688	1376	+688	/		
		100m ³	28228	56456	+28228	/		
200		100kg/	2868	5736	+2868	/		
250	/	100kg/	1720	3440	+1720	/		
	/	20~70 10~20 500kg/	25	50	+25	5		

		t/a							
						t/a*			
200#		500m ³	0	20000	+20000	500			
		500m ³	0	6252	+6252	500			
SBS	- -	25kg/	0	4000	+4000	800			
APAO		20kg/	0	3000	+3000	3			
SBR		20kg/	0	3000	+3000	60			
C5		20kg/	0	2000	+2000	30			
		/	0	35	+35	/			
		100m ³	0	1500	+1500	/			
200	/	100kg/	0	145	+145	/			
250	/	100kg/	0	85	+85				
	/	20~70 10~20 500kg/	0	5	+5	5			
1	/	60-120	20000	20000	0	60			

			t/a			t/a*		
2	/	200	37500	37500	0	60		
3	/	20-40	37500	37500	0	60		
4	/	40-80	17500	17500	0	60		
1	/	40-80	37500	37500	0	200		
2	/	70-140	37500	37500	0	/		
		/	32500	32500	0	/		
32.5	/		32500	32500	0	/		
42.5	/		32500	32500	0	/		
	/		20000	20000	0	/		
	/		17500	17500	0	60		
	/	325-400	42500	42500	0	/		
1	/	200	42500	42500	0	90		
2	/	400	42500	42500	0	90		
		800	12500	12500	0	30		
		/	37500	37500	0	30		
		/	30	60	+30	60		
			243.81 m ³ /	423.81 m ³ /	+180 m ³ /	/	/	
		170kg/	0.1	0.2	+0.1	0.1		

t/a	
	t/a^*
C	
H O	
P	

	60	100 50.0mm ² /s	15.0mm ² /s	
SBS	-	-	SBS SBS 0.92~0.95 SBS	
	SBS	SBS	SBS	
SBR		2-10 ×10 ⁵	1.5-4 ×10 ⁵	
		40±1	pH3~5 0.99	
C5	3	1000~2500	0.97-1.07	
	70~140	1.512	I	
		C9	SBR	
		-		
	280	~380		
			Mg ₃	/ /



2-6

			/				
1		RDI—A22925-00	4	5	+1		
2		RDI—A12992-03	4	5	+1		
3		RDI—A20453-01	4	5	+1		
4		RDI—A20454	4	5	+1		
5		RDI--E44072-00	4	5	+1		
6		DP-30	4	5	+1		
7		RDI--E44008-00	4	5	+1		
8		Q=20m/h P=1.0MPa n=136r/min 190	12	15	+3		
9	1#	RDI-E28293	4	5	+1		
10		RDI-A18206	4	5	+1		
11	1#	RDI-A20348-02	4	5	+1		
12	1#	RDI-A20363	4	5	+1		
13		RDI-A20567	4	5	+1		
14	2#	RDI-A20361	4	5	+1		
15		RDI-44127	4	5	+1		
16	1#	HDZQ-00	4	5	+1		
17	2#	HDYT-00	4	5	+1		
18	3#	HDFM-00	4	5	+1		

			/				
41		YZ55-16t	4	4	0		
42		630	0	8	+8		
43		YH-2010/HP	1	1	0		
44		LS250*250	2	4	+2		
45		LS250*6000	0	2	+2		
46		GL300	0	6	+6		
47		HDSJJ1.0-00	0	1	+1		
48		TD250*11950	2	2	0		
49		LS250*14000	3	3	0		
50		CDI-90	1	1	0		
51		LS250*16000	3	3	0		
52		300m ³ /h 70m	1	1	0		
53		9-26NO5.6A	1	1	0		
54		NX-YR-40	1	1	0		
55		0.32MPa	1	1	0		
56		ISW200-400	2	2	0		
57		150ZW180-38	2	2	0		
58		700m ³ /h	1	1	0		
59		15.8m ³ /min	2	1	2	1	0
60		LY-D150AC	2	2	0		

							/
61	YH01Z03	0	1	+1			
62	NYP220	0	1	+1			
63	CD-2T	0	2	+2			
64	16T	0	2	+2			
65	400	0	1	+1			
1	20t/h	1	1	0	/		
2	20t/h	1	1	0	/		
3	/	20	20	0	/		
4	/	22	22	0	/		
5	/	2	2	0	/		
6	FJD3000	1	1	0	/		
7	FJD2000	4	4	0	/		
8	/	2	2	0	/		/
9	200~300 /h/	7	7	0	/		
10	VFSL7300	2	2	0	/		
11	/	2	2	0	/		
12	/	1	1	0	/		
13	16.3Nm3/min	1	1	1	1	0	/
14	/	1	1	0	/		
15	/	1	1	0	/		

			/				
2		630mm	5	5	0		
3		6500m ³	3	3	0		
4		1200m ³ *3;100m ³ *3;300m ³ *1	7	7	0		
5		500m ³	1	1	0		
6		500m ³	1	1	0		
7		RCB-60/1.0	1	1	0		
8		W6.4ZK-90ZIM1W73	4	4	0		
9		W6.4ZK62Z1M1W73	3	3	0		
10		W4.2Z70Z1MbW81	7	7	0		
11		RCB-38/1.0	1	1	0		
12		RCB-38/1.0	4	4	0		
1		RDI—A22925-00	0	4	+4		
2		RDI—A12992-03	0	4	+4		
3		RDI—A20453-01	0	4	+4		

			/				
4		RDI—A20454	0	4	+4		
5		RDI--E44072-00	0	4	+4		
6		DP-30	0	4	+4		
7		RDI--E44008-00	0	4	+4		
8		Q=20m/h P=1.0MPa n=136r/min 190	0	9	+9		
9	1#	RDI-E28293	0	4	+4		
10		RDI-A18206	0	4	+4		
11	1#	RDI-A20348-02	0	4	+4		
12	1#	RDI-A20363	0	4	+4		
13		RDI-A20567	0	4	+4		
14	2#	RDI-A20361	0	4	+4		
15		RDI-44127	0	4	+4		
16	1#	HDZQ-00	0	4	+4		
17	2#	HDYT-00	0	4	+4		
18	3#	HDFM-00	0	4	+4		
19	2#	HDSC-00	0	4	+4		
20	4#	HDFM-00	0	4	+4		
21	2#	TD160*8.5	0	4	+4		
22		A19300-01	0	4	+4		
23	SBS	HFY-HP10A21	0	4	+4		

/

24	HFY-HP10A21	0	4	+4
25	RDI-A20461-01	0	4	+4
26	^{2#} R107DV132M4/V	0	4	+4
27	RDI-A20461	0	4	+4
28	C			

			/				
45		LS250*14000	0	3	+3		
46		250*250mm	0	9	+9		
47		CDI-90	0	1	+1		
48		100m ³	0	2	+2		
49		250*250mm	0	1	+1		
50		LS250*16000	0	1	+1		
51		300m ³ /h 70m	0	2	+2		
52		7185m ³ /h	0	1	+1		
53		NX-YR-40	0	1	+1		
54		0.32MPa	0	1	+1		
55		10m ³	0	1	+1		
56		6m ³	0	1	+1		
57		ISW200-400	0	4	+4		
58		150ZW180-38	0	4	+4		
59		350m ³ /h	0	2	+2		
60		15.8m ³ /min	0	2	+2		
61		10m ³	0	1	+1		
62		26m ³ /min	0	2	+2		
63		26m ³ /min	0	2	+2		
64		26m ³ /min	0	2	+2		
65		14.5m ³ /min	0	2	+2		

			/					
66		SCS-150	0	1	+1			
67		40STD-290WSI3	0	1	+1			
68		50m ³ 0.32MPa	0	2	+2			
69		35m ³ 0.20MPa	0	2	+2			
70		3000mm*3000mm*2000mm	0	1	+1			
71		YZ55-14t	0	6	+6			
72		YZ55-14t	0	2	+2			
1		350	1	1	2	2	+1 1	/

1

2.6.

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2-7

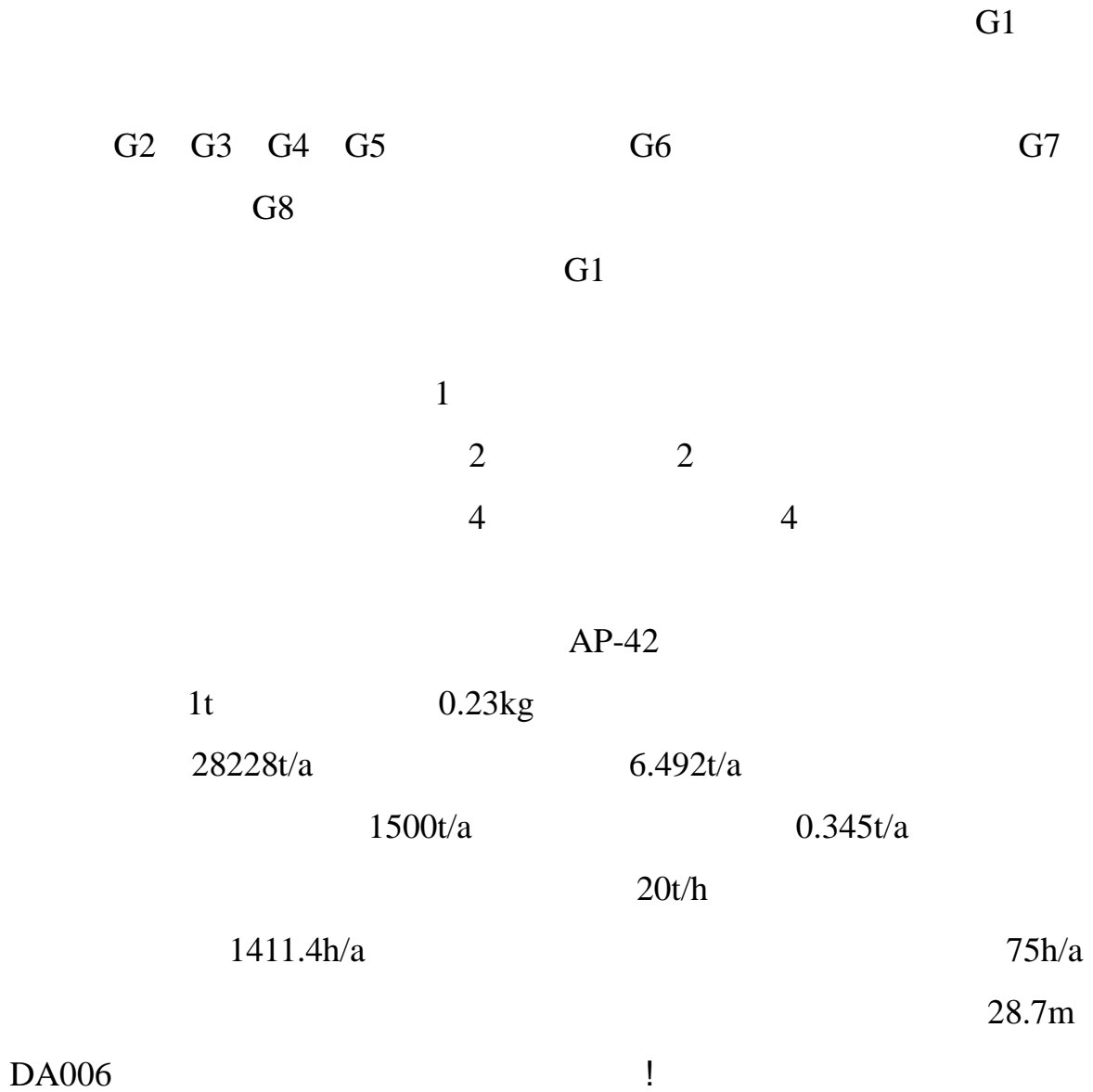
2-7

			G1	
			G2 G3 G4 G5	[a]
			G6	
		RTO	G7	SO ₂ NO _x
			G8	[a]
			G9	

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2.7.

2.7.1.



2-9

2-10

2-9

		SO₂	NO_x	
m ³	kg/	0.02S 2	3.03	2.4
	RTO	0.02S 2	18.7	2.86
		100mg/m ³ S=100		

2-10

			kg/h	t/a
RTO 15 m ³		SO ₂	0.004	0.030
		NO _x	0.039	0.281
			0.006	0.043
150 m ³		SO ₂	0.042	0.300
		NO _x	0.063	0.455
			0.050	0.360

18m DA011

RTO

RTO

DA009

DA010

G6

30m

RTO

DA001/DA002

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公示稿

公示稿

公示稿

公示稿

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公示稿

2-11

			t/a		(t/a)	(t/a)	
	G1		6.492	99%	6.427	0.065	
	G2 G3 G4 G5 G6		9.516	98%	9.326	0.190	
		[a]	2.10E-05		2.058E-05	4.2E-07	
			24.131		23.648	0.483	
	RTO	/	SO ₂	0.06	100%	0.06	0
			NO _x	0.562	0.562	0	
				0.086	0.086	0	
	G1		0.345	99%	0.342	0.003	
	G2 G3 G4 G5 G6		2.379	98%	2.331	0.048	
		[a]	5.25E-06		5.145E-06	1.05E-07	
			6.032		5.911	0.121	
	/	/	SO ₂	0.03	100%	0.03	0
			NO _x	0.455	0.455	0	
				0.36	0.36	0	

2-12

2-12

			11.824	1.642	46.921	+			1.182	0.164	4.692	60			
			/	/	/	+RT	/		/	/	2322	15000			
	RTO	SO ₂	0.030	0.004	0.119	/	/		0.030	0.004	0.119	200			
		NO _x	0.281	0.039	1.115	/	/		0.281	0.039	1.115	200			
			0.043	0.006	0.171				0.043	0.006	0.171	20			
			0.342	4.554	910.800		99	5000	0.003	0.046	9.108	20	H=28.7m T=25 D=0.3m		DA006
		[a]	5.15E-06	7.15E-07	2.04E-05	+	90		0.233	0.032	0.925	20			
			5.911	0.821	23.458	+			5.15E-07	7.15E-08	2.04E-06	0.0003			
			/	/	/	+RT		35000	0.591	0.082	2.346	60	H=30m T=140 D=1m		DA002
			/	/	/	O	/		/	/	1161	15000			
		SO ₂	0.030	0.004	0.521	/			0.030	0.004	0.521	35			
		NO _x	0.455	0.063	7.899	/	0	8000	0.455	0.063	7.899	50	H=18m T=100		DA011
			0.360	0.050	6.250				0.360	0.050	6.250	10	D=0.5m		

:

DA001

DA001

DA001 DA002

2-13

DA006

2-13

		Nm ³ /h								
					mg/m ³	kg/h	t/a	mg/m ³	kg/h	
DA001		35000	+ + +RTO		1.794	0.063	0.452	20	0.11	H=30m T=140 D=1m
				[a]	3.97E-06	1.39E-07	1.00E-06	0.0003	0.000009	
					4.548	0.159	1.146	60	3	
				SO ₂	0.238	0.008	0.06	200	/	
				NO _x	1.115	0.039	0.281	200	/	
				*	1.937	0.068	0.488	20	1	
	2251	/	/	15000	/					
DA002		35000	+ + +RTO		1.922	0.067	0.484	20	0.11	H=30m T=140 D=1m
				[a]	6.01E-06	2.10E-07	1.51E-06	0.0003	0.000009	
					6.893	0.241	1.737	60	3	
				SO ₂	0.238	0.008	0.06	200	/	
				NO _x	1.115	0.039	0.281	200	/	

				*	2.065	0.072	0.52	20	1		
					3412	/	/	15000			
DA003		20000			8.465	0.169	1.219	10	/	H=27m T=25 D=0.3m	
DA004		15000			2.315	0.035	0.25	10	/	H=27m T=25 D=0.6m	
DA005		15000			3.519	0.053	0.38	10	/	H=27m T=25 D=0.6m	
DA006		5000			9.073	0.046	0.067	20	1	H=28.7m T=25 D=0.3m	
DA007		8000	/		SO ₂	14.653	0.117	0.844	35	/	H=18m T=100 D=0.5m
					NO _x	25.000	0.200	1.44	50	/	
						8.802	0.070	0.507	10	/	
DA008		5000			9.110	0.046	0.064	20	1	H=28.7m T=25 D=0.3m	
DA009		35000	+		1.850	0.065	0.466	20	0.11	H=30m	

			+	[a]	4.08E-06	1.43E-07	1.03E-06	0.0003	0.000009	T=140 D=1m
			+RTO		4.692	0.164	1.182	60	3	
				SO ₂	0.119	0.0042	0.030	200	/	
				NO _x	1.115	0.039	0.281	200	/	
				*	2.021	0.071	0.509	20	1	
					2322	/	/	15000	/	
					1.850	0.065	0.466	20	0.11	H=30m T=140 D=1m
				[a]	4.08E-06	1.43E-07	1.03E-06	0.0003	0.000009	
					4.692	0.164	1.182	60	3	
			+	SO ₂	0.119	0.0042	0.030	200	/	
			+RTO	NO _x	1.115	0.039	0.281	200	/	
				*	2.02	0.071	0.509	20	1	
					2322	/	/	15000	/	
				SO ₂	0.521	0.004	0.03	35	/	H=18m T=100 D=0.5m
			/	NO _x	7.899	0.063	0.455	50	/	
					6.250	0.050	0.36	10	/	

DA001 DA002 DA009 DA010

2.7.2.

2-14

2-14

			t/a	kg/h	m ²	m
			0.003	0.046	7631.36	14
			0.048	0.007		
		[a]	1.05E-07	1.46E-08		
			0.121	0.017		
			0.065	0.046	17067.76	14
			0.190	0.026		
		[a]	4.20E-07	5.83E-08		
			0.483	0.067		
		H ₂ S	0.001	0.000139		
			10	/		

		2-15		m ²	m
		t/a	kg/h		
		0.003	0.046	7631.36	14
		0.524	0.073		
	[a]	1.105E-06	1.53E-07		
		1.328	0.184		
		0.065	0.046	17067.76	14
		0.190	0.026		
	[a]	4.2E-07	5.83E-08		
		0.483	0.067		
		1.300	0.18	4251.16	14

2.7.3.



0

30

2-16

		/	/	/h	/
		mg/m ³	kg/lK		
		9.252	0.324		
DA002	[a]	2.04E-05	7.15E-07		
		23.458	0.821		

DA002

[a]

2.04E-05

7.15E-07

23.458

0.821

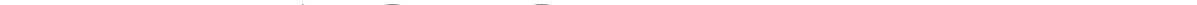
DA006

910.80

0.5 0.1

44

m



3.

3.1.

1996 133

GB3095-2012 0b• 0 "" P !V9™-1... 72023Pà &,,9\$ • .p
2023

9 10 m

2020

10%

1

VOCs

3.2.

2022-2035

[a]

« W



	[a]			0.0025	ND (1*10 ⁻⁴)	/	0	

ND

[a]

[a]

[a]

GB3095-2012

4.

4.1.

4-1

4-2

4-3

4-1

		/m UTM		/m	/m	/m	m/s	/	/h	(kg/h)					
		X	Y							PM ₁₀	PM _{2.5}	[a]			
1	DA002	557913	13407516	4	30	1	12.385	140	7200	0.072	0.0288	2.10E-07	0.241	0.008	0.039
2	DA006	557935	13407433	4	28.7	0.3	19.659	25	1468	0.046	0.0184	/	/	/	/
3	DA008	557797	13407416	5	28.7	0.3	19.659	25	1411	0.046	0.0184	/	/	/	/
4	DA009	557764	13407444	5	30	1	12.385	140	7200	0.071	0.0284	1.43E-07	0.164	0.0042	0.039
5	DA010	557772	13407522	5	30	1	12.385	140	7200	0.071	0.0284	1.43E-07	0.164	0.0042	0.039
6	DA011	557878	13407517	5	18	0.5	11.323	100	7200	0.05	0.02	/	0.004	0.063	

PM₁₀PM_{2.5}

40%

4-2

	/m(UTM)		/m	/m	/m	/°	/m	/h	(kg/h)			
	X	Y							PM ₁₀	PM _{2.5}	[a]	
	557958	13407417	4	108.4	70.4	10	13	7200	0.1190	0.0476	1.53E-07	0.184
	557880	13407358	5	223.4	76.4	10	13	7200	0.0720	0.0288	5.83E-08	0.067

PM₁₀ PM_{2.5} 40%

4-3

		mg/m ³	kg/h	/h	
DA002	[a]	[a]	0.324	0.5	0.1
			7.15E-07		
			0.821		
DA006			4.554		
DA008			4.555		
			0.648		
	[a]	[a]	1.43E-06		
DA009			1.642		
	SO ₂	SO ₂	0.004		
	NO _x	NO _x	0.039		
		*	0.645		
			0.648		
DA010	[a]	[a]	1.43E-06		
			1.642		

DA011	DA009 DA010	SO ₂	SO ₂	0.004		
		NO _x	NO _x	0.039		
			*	0.645		
		SO ₂	SO ₂	0.004		
		NO _x	NO _x	0.063		
				0.050		

DA009 DA010

4.2.

4.2.1.

(HJ2.2-2018)

4.2.2.

GBT39499-2020

4-7

4-7

kg/h

(m²)

(m)

m



4-8 6

0	
1	
2	
3	
4	
5	

GB14554-93 1 3

20

380m ;

4.2.4.

4-9

4-9

=



t

[a]

SO₂
(0.09)t/a

NO_x

3

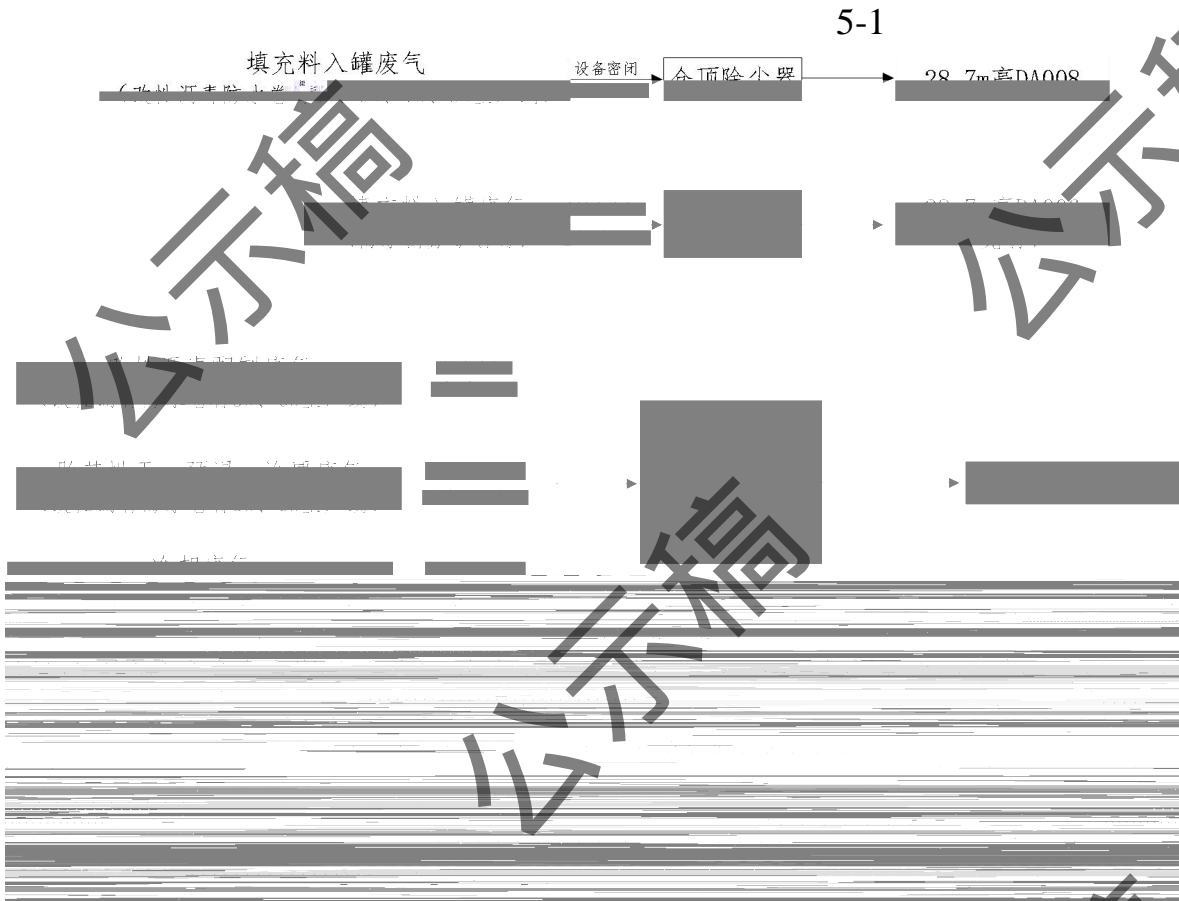
G7

18m DA011

RTO

RTO

DA009 DA010



5-1

5.2.

1

5# 6# 7# 8#
28.7m DA006

28.7m

DA002

2 W ,h... 7 ó1'ò€ `••8%•PY "—R^P p74, ó•(ò d Pjy IV €™~ jw

BONN!

1

2023 9 16 17 DA006

89%~90%

2

+ +RTO 8ce² ó • P hw‰ • € p P 4Y‰ ó 9[~] / S G# 0 P ë
6# + +RTO
30m DA009 7# 8#

RTO
RTO

95%

RTO

5

5

1

1

12

12

RTO

VOCs

RTO

RTO

10

2

+

+

+RTO

90%

HJ1093-2020

RTO

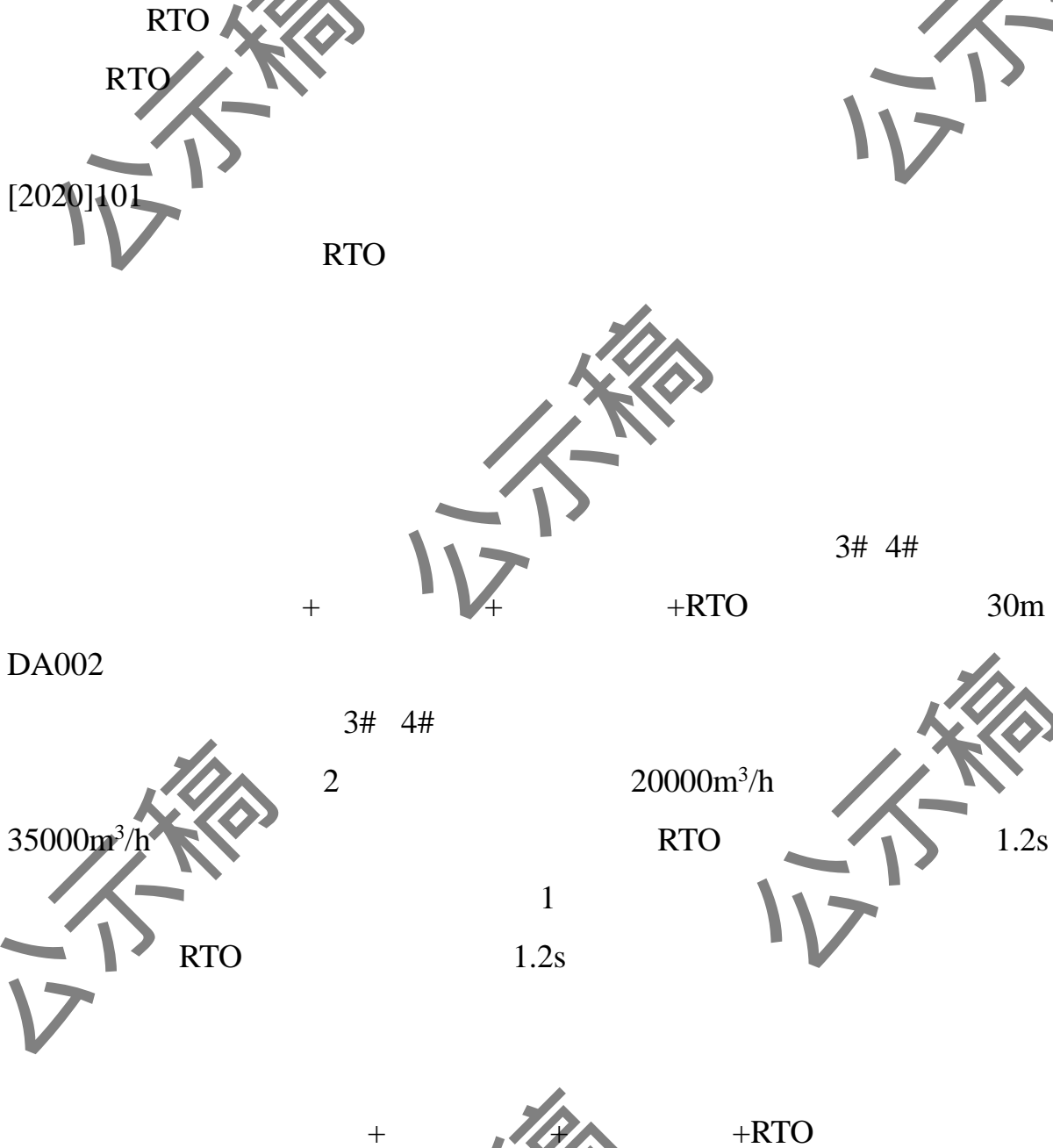
5-2

	HJ2000	GB50019	

		4.7	+	+	RTO
		/			
		HG/T20642			
		0.75s			
		760			RTO
			2205		
			1.2s		760~950
		750J/(kg·K)			
		1200			
		40000h			
		2m/s			

5-3

1		35000m ³ /h
2		95%
3		1.2s
4		760 ~950
5		2h
6		5000pa
7		170Kw



2023 9 14 ~17 DA001 DA006

		VOCs	VOCs	
		VOCs	VOCs	
		VOCs	VOCs	
VOCs	a	27.6kPa <76.6kPa 75m ³	27.6kPa <76.6kPa 75m ³	
	b	GB16297 80%	+ +RTO 90%	
	c			
	d			
VOCs		VOCs	VOCs	
		VOCs	VOCs	
VOCs		VOCs 10%	VOCs	
		VOCs	VOCs	
VOCs		VOCs	VOCs	
			+ +RTO	

		VOCs	
		VOCs	VOCs
		VOCs	VOCs
VOCs		GB/T16758	GB/T16758
		VOCs	
		GB 16297	DB32/4041-2021
		NMHC 3kg/h	
		VOCs 80%	
		NMHC 2kg/h	
		VOCs 80%	90%
		VOCs	

GB37822-2019

5.2.3.

5-5

5-5

		m	m ³ /h	m/s
DA002	30m	1	35000	12.385
DA006	28.7m	0.3	5000	19.659
DA008	28.7m	0.3	5000	19.659
DA009	30m	1	35000	12.385
DA010	30m	1	35000	12.385

		m	m³/h	m/s
DA011	18m	0.5	8000	11.323

DA002 DA006 DA008 DA009 DA010

(DB32/441-2021) 1 DA011

DB32/4385-2022 1

HJ2000-2010

15m/s

20m/s~25m/s

30m/s

15~25m/s

11.323m/s~19.659m/s

DB32/4041-2021

25m

15m

DA002 DA009 DA010

30m DA006 DA008

28.7m

DB324385-2022

8m

DA011

18m

5.2.4

8 m S

6.

6.1.

1

2

VOCs

6.2.

			1 /	
		[a]	1 /	
	DA010		1 /	
			1 /	
	DA011		1 /	DB32/4385-2022
			1 /	
		[a]	1 /	DB32/4041-2021
			1 /	GB14554-93

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