

项目名称：鑫源弘益精密塑业（苏州）有限公司年产
塑胶制品 450 万套、塑胶模具 130 套项目

建设单位（盖章）：鑫源弘益精密塑业（苏州）有限
公司

编制日期：2022 年 10 月

.....	1
.....	34
.....	48
.....	60
.....	102
.....	104

一、建设项目基本情况

	450		
	130		
	2207-320560-89-03-816920		
	***		*****
	30		
	<u>120</u>	<u>31</u>	<u>31.791</u> <u>31</u> <u>11</u> <u>6.584</u>
	C2929		53
	C3525		70
			352
	√ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		√ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
/		/	吴开管委审备[2022]265号
	500		40
%	8		2
	√ <input type="checkbox"/>	m ²	1630
	1		2018-2035
	2		2011-2030
	3	2021 4 28	[2021]436
			2018-2035
	18		2022 2
		2022 24	

				105.36	
	2020	19.5	()	2030
30	()			
	2020	17	2030	28.5	
	2020	2.5	2030	1.5	
	2020		87%	2030	95.0%
	(2020)		35.25		
27.42		4.75			1.72
		1.36			
	(2030)		36.17		
30.48		2.58			1.75
		1.36			
1					
2					
3					
4					

1231.0684

0.55%

1

2

3

4

5

2018-2035

2018~2025

2026~2035

178.7

“ ” “ ”

“ ”

“ ”

“ ”

“ ”

403hm²

“ + ”

2

	15	15
	40	60

DN600 DN800

DN600 DN800

DN400

DN200

2019-2035

4

GB18918-2002 A

30%

	4	4	12			
	8	8	8			
	15	15	15	-	-	
	/	8	27	-	-	

40 40

100%

2

80MW

156t/h

212t/h

90t/h

3

2 11

6

ADSL

5

	30000t/a	2000t/a
	3000t/a	
		20000t/a
		8 t/a
		50400 t/a
	2 400t/d	8 100t/d
	800	80%

1

“ ”

“

”

“ ”

2

“

”

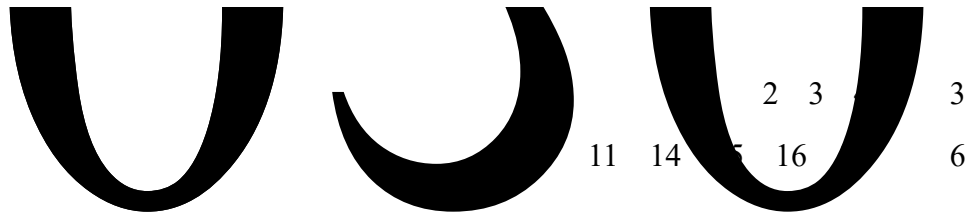
“ ”

“

”

3

10



“

-

”

1	“ ”(1970	
2			
3	;		
4		1970	
5	“ ”		

6			

[2020]1

2021 1318

2018 74

1-6

		/		/	1630.61		3290
			1				
			/	1538.31	/		4290
		/		/	18.96		

			200			17420
		/	100	/	26.15	1970
		/		/	3.1	3120
		/		/	9.08	15680
			/	5	/	4020
		2 500 120 27 29.886 E 31 11 27.158 N 120 27 29.694 E 31 11 24.34 N 2000 100	/	17.66	/	4650

4.29km

1970

[2020] 1

2021 1318

2018 74

2021

83.8%

2020

2021

85.5%

2020

81.4%~87.7%

1.1

GB3095-2012

HJ663-2013

SO₂

NO₂ 24

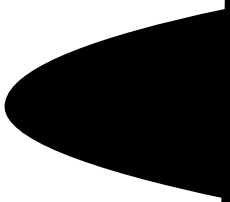
98

PM₁₀ 24

95

PM_{2.5} 24

95



5.6%

GB 3096-2008

95.6% 85.8% 1~4a

86.4% 96.7%

100.0% 98.1%

77.3% 86.7% 95.8% 82.7%

2020

2.9

3.4

GB3096-2008

2

		30 /	38 /
		5 /	4.8 /
		178.7	178.7
		16.64	17.65
		0.15 /	0.12 /

50 /

“C2929

C3525

”

2022

[2022]7

2022

<hr/>				
		VOCs	VOCs	

				[2020]1
		500	2018 74	
		VOCs		
		COD		

1	([2020]1)	([2018]74)		
	8474.27	23216.24		
	8.21%	22.49%		
		14741.97		
2	14.28%	“	4.29km	
	”			
3		1	1970	
	“	”		
4				
5				
)	()		
		()		
1				
2	2020			

		11.9	66.8 29.2	85.4 2.7	149.6	91.2		
	1							
	2							
	3							
	4							
	1		524.15		2020			
			2020			70%		
	2	456.87	90%	2020				
	3					390.67		
	1						4.29km	
	2							
	3							

1			
2			
3			
1			
2 2020			
30 “			
”	[2020]313	2	
—			
1	[2020]49	1	
3		[2020]49	3
2	(2	
[2020]1)	([2018]74	
[2018]74)			[2020] 1 4.29km
			1970
3	[2016]60	3	
			2016 60

	<p>[2014]81</p> <p>[2017]102</p> <p>[2019]17</p> <p>[2017]13 13 [2017]108</p> <p>2018-2020 [2018]6</p> <p>4</p> <p>2018-2020</p> <p>1</p> <p>5</p>	<p>2014 81</p> <p>4</p> <p>5</p>	
	<p>1</p> <p>2 2020</p> <p>5.77 / 1.15</p> <p>/ 2.97 / 0.23 / 12.06</p> <p>/ 15.90 / 6.36 /</p> <p>2025</p> <p>3</p>		

	1 3 2 3	[2020]49 “ ” 2020 49 3 “ ”	
	1 2020 63.26 2 2020 19.86 16.86 3	1 2 3	
	1 2 3 4 5 6	1 2 3 4 5 6	
	1 2 3	1 2 3	

	1		
	2		
	3		
	1		
	2	1	1
		2	
	3		2
	4		

“ ”

[2020]49

[2020]313

2019

2021

[2018]32

2007

[2007]129

2021

2021 9 29

1km

5km

10km

[2012]221

2021

“

”

“

4.29km

2021

			+
[2014]128	<p style="text-align: center;">VOCs</p> <p style="text-align: center;">..... VOCs</p> <p style="text-align: center;">VOCs</p> <p style="text-align: center;">90%</p> <p>VOCs 1.</p> <p style="text-align: center;">3.PVC</p>		<p style="text-align: center;">VOCs</p> <p style="text-align: center;">90%</p>
2019 53	<p style="text-align: center;">VOCs</p> <p style="text-align: center;">VOCs</p> <p style="text-align: center;">VOCs</p>		<p style="text-align: center;">+</p> <p style="text-align: center;">90%</p> <p style="text-align: center;">VOCs</p>
	VOCs		
GB37822-2019	<p>VOCs</p> <p>VOCs</p> <p style="text-align: center;">VOCs</p>		

		VOCs		
		VOCs 1 VOCs VOCs		
		2 VOCs		
		1 VOCs VOCs		
		VOCs 2 VOCs		
		3 VOCs VOCs	VOCs +	90%
		VOCs VOCs	10% VOCs	
		VOCs	90%	VOCs
		VOCs		
2021	2	3130 1 2 GB/T 38597-2020 VOCs GB38507-2020 3 + GB 38508-2020 90% GB 33372-2020 VOCs VOCs	1 2 3 +	VOCs

VOCs
2021

VOCs

GB/T 38597-2020

3130

		VOCs 0.3m/s		
	...	VOCs	10%	
		VOCs		
	VOCs		VOCs	+
			”	“
		VOCs		
			800mg/g	
	800mg/g ...			
	VOCs	VOCs		
	VOCs			
		VOCs		VOCs
		... VOCs		VOCs

			VOCs
		100mm VOCs	
		$\geq 200\mu\text{mol/mol}$	
2022		VOCs	90%
2022	2	VOCs	
		HJ2026-2013	HJ2026-2013
			800
		/ VOCs	/
		800	
		2kg/h	90%
		80%	
			0 1
2			
		GB/T15190-2014	
		2018	
30			70
		GB3096-2008	2

56.91~58.96dB A

GB3096-2008

2

60dB(A)

/ /

50m

2020

“

”

GB18597-2001

GB15562.2-1995

HJ2025-2012

二、建设项目工程分析

2015 8 24
500
30
1630 12 1 7
5 2 1 450
130 2022 7 20
2022 265

2207-320560-89-03-816920

2021 “
53 ”

2-1

2830	1630	1 3	13

1 1200

2-2

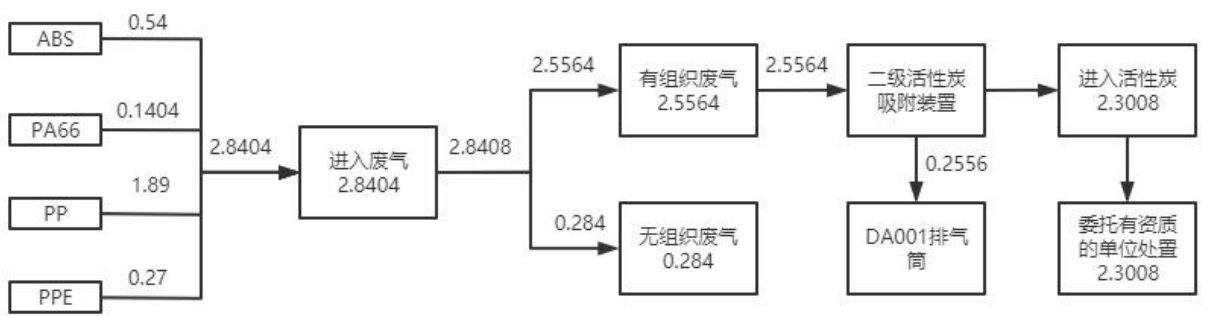
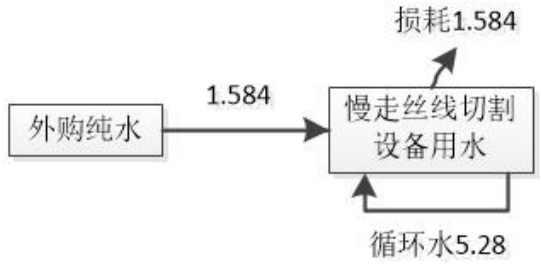
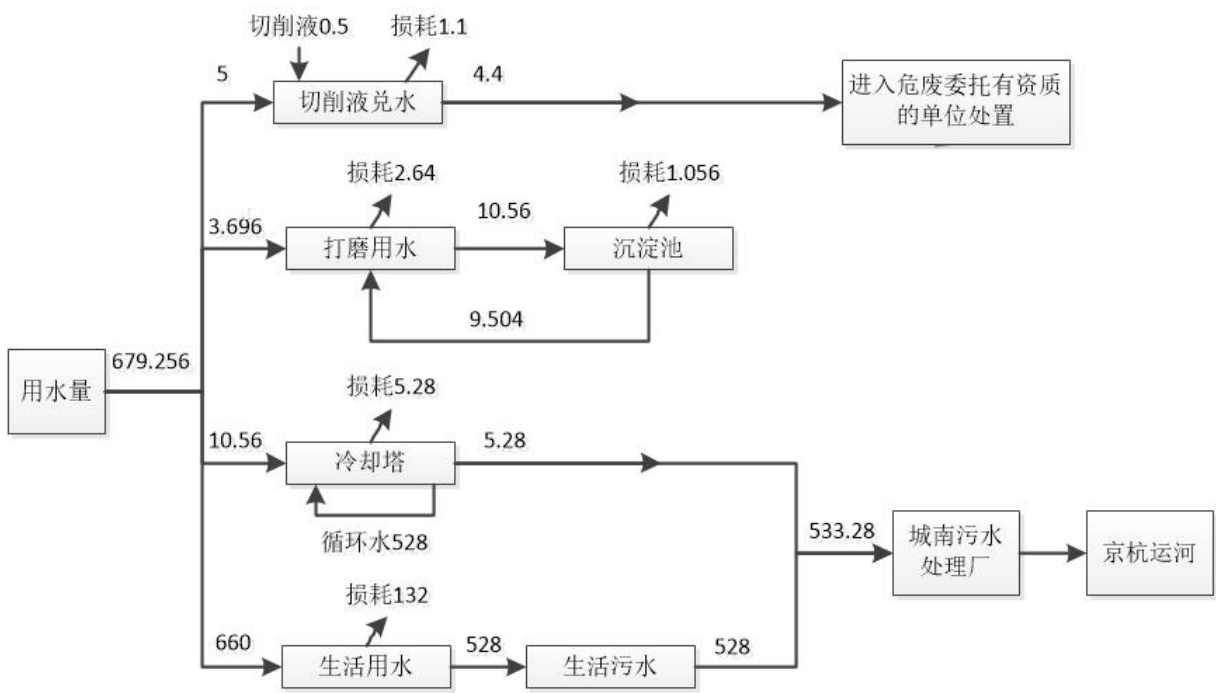
--	--	--	--

	塑胶制品	50g-1000g	主要用于机器人、 家电、医疗等领域	450	2112
	塑胶模具	1~5t		130	2112
			100m ²		
			70m ²		
			35m ²		
			35m ²		
			35m ²		
			70m ²		
			679.256t/a		
			1.584t/a		
		533.28t/a	528t/a		
			5.28t/a		
			50 /		
		2	0.6m ³ /min		
			0.25t/h		
			81m ³		
			18 DA001 10000m ³ /h 90% ≥90% 40%		
			18 DA002 2000m ³ /h 90% ≥95%		GB31572-2015 5
			0.6m×0.4m×0.4m 0.096m ³		

1	ABS 白色	丙烯腈-丁二烯-苯乙烯	固态	25kg/袋	100	原料仓库	10	否
2	ABS 黑色	丙烯腈-丁二烯-苯乙烯	固态	25kg/袋	100	原料仓库	10	否
3	PA66+35%GF (玻纤)	聚己二酰己二胺、35%玻纤	固态	25kg/袋	80	原料仓库	5	否
4	PP	聚丙烯	固态	25kg/袋	700	原料仓库	20	否
5	PPE	聚苯醚	固态	25kg/袋	100	原料仓库	5	否
6	切削液	矿物油 40%，表面活性剂 8%，脂肪酸 10%，硼酸酯 15%，胺 9%，杀菌剂 3%，消泡剂 2%	液态	25kg/桶	0.5	原料仓库	0.25	否
7	润滑油	基础油、添加剂	液态	50kg/桶	0.05	原料仓库	0.05	否
8	火花油	基础油、阻燃剂、抗氧化剂	液态	50kg/桶	0.5	原料仓库	0.25	否
9	纯水	纯水	液态	30kg/桶	1.584	原料仓库	0.5	否
10	模具钢	钢材	固态	散装	390	原料仓库	10	否
11	砂纸	/	固态	散装	0.01			

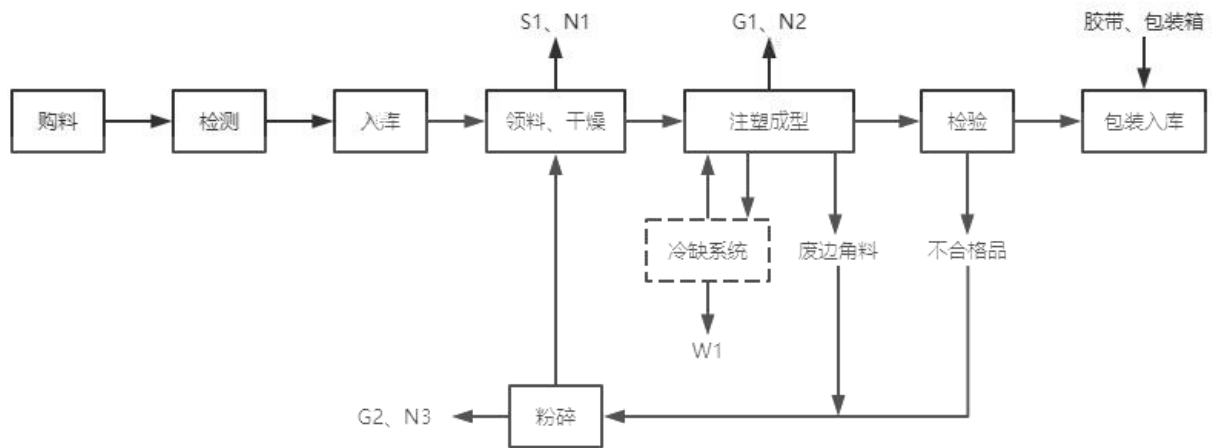
ABS	$C_{45}H_{51}N_3X_2$	9003-56-9	<p>175°C)</p> <p>ABS</p> <p>1.05~1.18g/cm³</p> <p>0.4%~0.9%</p> <p>0.394</p> <p>217~237°C</p>	<p>20 30 50(</p> <p>90%</p> <p>1.05 ABS</p> <p>AB</p> <p>0.2Gpa</p> <p><1%</p> <p>>250°C</p>	404°C
PA66	$(C_{12}H_{22}N_2O_2)_n$	32131-17-2	<p>1814.11</p> <p>66-86°C</p> <p>1.14 PA66</p>	<p>18.5</p> <p>253°C</p> <p>250°C</p>	
PP	$(C_3H_6)_n$	9003-07-0	<p>8 -15</p> <p>220~275°C</p>	<p>Polypropylene</p> <p>0.01%</p> <p>420°C</p> <p>164~175°C</p> <p>0.92g/cm³</p>	<p>v/v %</p> <p>v/v %</p> <p>20 g/m³</p>
PPE	$(C_8H_8O)_n$	24938-67-8	<p>211°C</p> <p>330°C</p>	<p>268°C</p>	
	/	/	<p>204°C</p> <p>=1 0.8735</p>	<p>20%</p>	
	/	/	<p>(=1) 1.14</p> <p>(=1) 1.43</p> <p>506.62</p>	<p>pH 8.0-9.5</p> <p>: -218.8°C -183.1°C</p> <p>(kPa)</p>	

	/	/	0.8g/cm ³		
2-7					
		/ /	86T~530T	12	
			/	12	
			80kg/h	12	
			55cm×55cm×45cm	1	
			10kg/h	1	
			450/650 FORME350/E600 ZMC-540/ZMC-450	7	
			VME-850H/ MILL P900/ T-6	5	
			610/ 618	3	
			4080AHR	1	0.6m×0.4m×0.4m
			4V	3	
			360mm×250mm×200mm	1	
			450mm×350mm×350mm	1	
			/	1	
			/	1	
			/	1	
			0.6m ³ /h	2	
			0.25t/h	1	
2-8					
	1		/		679.256
	2		/		50
			25	264	8
	2112h				



ABS	2.7kg/t	200	0.54		0.2556
PA66		52	0.1404		
PP		700	1.89		0.284
PPE		100	0.27		2.3008
	/	/	2.8404	/	2.8404

						30
						30
	500m		7			
		1				2
					7	
					/	/
12		5	3			
		1		3		1
		8		9		10



G- N- S- W-

1

2

3

4

80-120°C

3-4h

ABS PA66 PPE PP

S1

N1

3~5mm

5

ABS

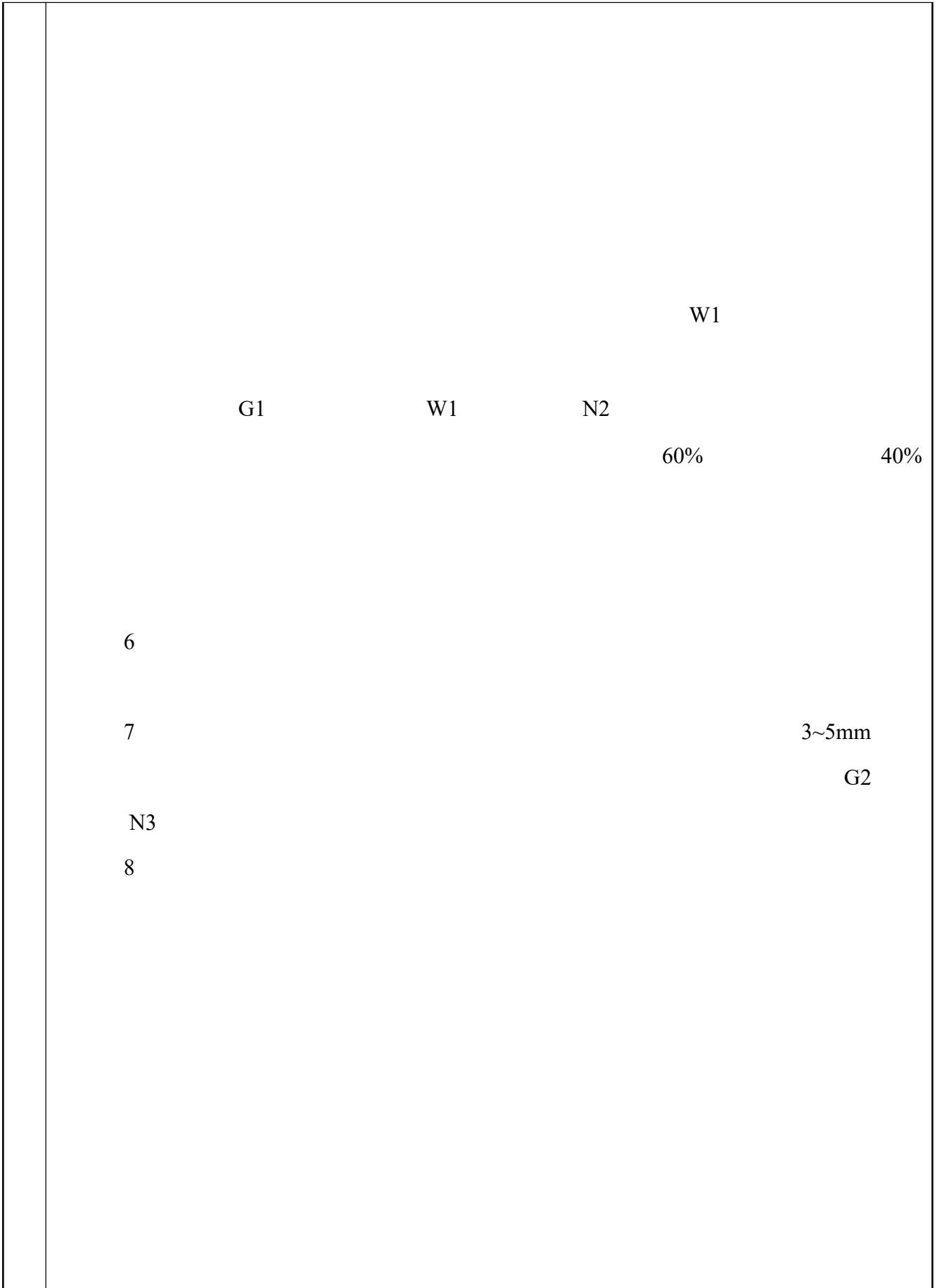
217-237°C

PP

220°C~275°C PA66+35%GF

270°C~290°C PPE

268°C~280°C



	W1		COD SS	
	/		COD SS TP TN	
	N1		Leq(A)	
	N2			
	N3			
	N4			
	S1			
	S2			
	S3			
	S4			
	S5			
	/			
	S6			
	S7			
	S8			
	S9			
	S10			
	/			
	/			

30

1630

“ ” “ ”

500

500

2006 5 23

2006

199 2009 6 3

2012

5 1 3 2012 2 3

2012 20 2016 12 16

2020 2021 10 15

2021 53

2022 4 19

三、区域环境质量现状、环境保护目标及评价标准

CO SO₂ NO₂ NO_x PM₁₀ PM_{2.5} TSP
 GB3095-2012 1
 HJ2.2-2018 D

3-1

SO ₂		60	μg/m ³	1	GB3095-2012
	24	150			
1	500				
NO ₂		40			
	24	80			
	1	200			
NO _x		50			
	24	100			
	1	250			
PM ₁₀		70			
	24	150			
TSP		200			
	24	300			
PM _{2.5}		35			
	24	75			
	8	160			
CO		200	mg/m ³		
	24	4			
	1	10			
		2.0	μg/m ³	HJ2.2-2018	D
	1	10			
	1	50			
	1	200			

2021 2021
 PM_{2.5} PM₁₀ SO₂ NO₂
 28 / 48 / 6 / 33 / CO
 O₃ 1 / 162 / 2020 PM_{2.5} PM₁₀
 CO 15.2% 2.0% 9.1% SO₂ NO₂ O₃

3-2

SO ₂			6	60	10.0
	24	98	11	150	7.3
NO ₂			33	40	82.5
	24	98	77	80	96.3
PM ₁₀			48	70	68.6
	24	95	96	150	64.0
PM _{2.5}			28	35	80.0
	24	95	62	75	82.7
O ₃	8	90	162	160	101.3
CO	24	95	1000	4000	25.0

2021

83.8%

2020

2021

85.5%

2020

81.4%~87.7%

1.1

GB3095-2012

HJ663-2013

SO₂

NO₂ 24

98

PM₁₀ 24 95

PM_{2.5} 24 95

CO 24 95

O₃ 8

90

2021

2024

PM_{2.5}

35ug/m³

O₃

O₃

80%

PM_{2.5}

VOCs

VOCs VOCs

VOCs

PM_{2.5}

2024

VOCs

PM_{2.5}

2021-2030

GB3838-2002 IV

GB3838-2002 III

GB3838-2002 II

3-3

			pH		6-9
	GB3838—2002	IV		mg/L	10
			COD		30
			BOD ₅		6
			NH ₃ —N		1.5
			TP		0.3
	III		pH		6~9
					mg/L

				COD		20	
				BOD ₅		4	
				NH ₃ —N		1.0	
				TP		0.2	
				pH		6 9	
		II				4	
				COD		15	
				BOD ₅		3	
				NH ₃ —N		0.5	
				TP		0.025	
				mg/L			
2021		2021	30				
100%	III	26	86.7%	III	4		
2021	80		100%	III			
74	92.5%	III	6				
2021			5				
III	2020						
		81	1804				
	31.4%	980			11000		
	4.41						
		100%	2015	22%			
“	”						
	“	”					
	“	”					
			2021-2030				
	2022	82		IV			
		2022	8 23 8 25				
500	1000						

500	2022.8.23	7.3	11	10	0.450	0.10
	2022.8.34	7.4	12	10	0.408	0.08
	2022.8.25	7.3	14	14	0.242	0.10
1000	2022.8.23	7.6	13	14	0.476	0.08
	2022.8.34	7.6	15	14	0.392	0.08
	2022.8.25	7.6	12	16	0.360	0.09
		7.3~7.6	11~15	10~16	0.242~0.476	0.08~0.10
		0.15~0.3	0.183~0.25	0.333~0.533	0.161~0.317	0.267~0.333
		6~9	60	30	1.5	0.3

GB3838-2002 IV

GB/T15190-2014

2018

[2019]19

30

GB3096-2008 2

	GB3096 2008	2	dB(A)	60	50

30

8

2022 9 14

A (LeqdB A)

NK-5500

AWA5688

AWA6022A

GB3096-2008

10

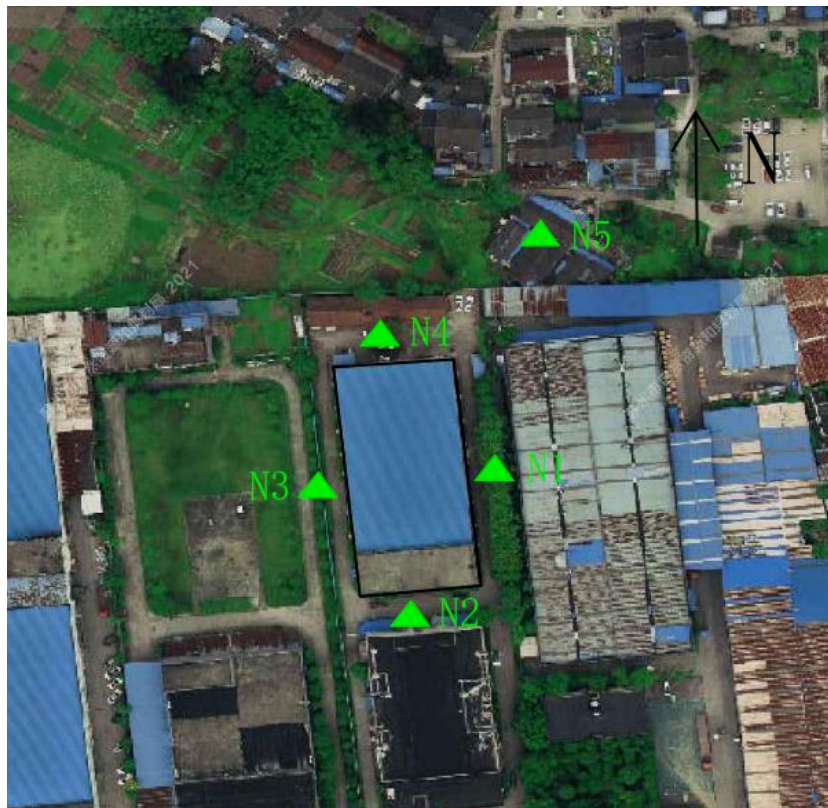
	2022	9	14	14	10	15	33		2
	2.5-2.6m/s								/
							m	dB(A)	
N1	1		/	/				58.6	60
N2	1		/	/				58.1	60
N3	1		/	/				57.2	60
N4	1		/	/				56.7	60
N5								53.8	60
	GB3096-2008							1	2

GB3096-2008

2

60dB(A)

3-1



500									
3-7									
		25	50				80 /240		30
		-120	-182				200 /600		220
		265	-153				50		314
		0	335				50		335
0 0									
50									
				30		80 /240			
			/	50		/			GB3096-2008 2
500									

500

DA001

DA002

GB31572-2015 5

GB31572-2015 9

GB14554-93 1

DB32/4041-2021

3 GB14554-93 1

2

DB32/4041-2021 2 3-9 3-10

GB31572-2015 5

DB32/4041-2021 1

DA002

GB31572-2015 5

DB32/4041-2021 3

GB31572-2015 9

DB32/4041-2021 3

	0.3	60	18	/	/	

	/	20	18	/	2.18 0.47ppm	GB31572-2015	5
	/	0.5	18	/	/		
	/	20	18	/	/		
	/	20	18	/	0.6 0.8ppm		
	/	2000	18	/	/	GB14554-93	2

*

GB14554-93 6.1.2 DA001 18m 15m

					4.0	GB31572-2015	9
						DB32/4041-2021	3
					0.15		
					0.5	DB32/4041-2021	3
					1.5		
					5		
					20	GB14554-93	1
NMHC		1h			6		
					20	DB32/4041-2021	2

GB/T19923-2005 1

COD

GB18918-2002 1 A

			1B	pH	6-9
				COD	350
				SS	220
				NH ₃ -N	30

				TN	50
				TP	5
			1	pH	6.5-8.5
		GB/T19923-2005		COD	≤60
				SS	/
				BOD ₅	≤10
			2	COD	30
		NH ₃ -N		1.5 3 *	
		TN		10	
		TP		0.3	
		GB18918 2002	1 A	SS	10
				pH	6-9
	*	12℃		≤12℃	
GB12348-2008					
GB12348-2008 2					
3-12					
2	60	50		GB12348-2008	
GB18599-2020			GB18579-2001		

COD NH₃-N
SO₂ NO_x VOCs
TP TN
COD NH₃-N TN
TP SS VOCs
1 VOCs

		0.1022	0	0.1022	0.1022	0.1022	/
		533.28	0	533.28 ^[1]	533.28 ^[2]	/	533.28
	COD	0.1851	0	0.1851 ^[1]	0.016 ^[2]	0.1851	/
	SS	0.1165	0	0.1165 ^[1]	0.0053 ^[2]	/	0.1165
		0.0158	0	0.0158 ^[1]	0.0008 ^[2]	0.0158	/
		0.0026	0	0.0026 ^[1]	0.0002 ^[2]	0.0026	/
		0.0264	0	0.0264 ^[1]	0.0053 ^[2]	0.0264	/
		3.71	3.71	0	0	/	/
		34.18	34.18	0	0	/	/
		3.3	3.3	0	0	/	/

[1]

[2]

10Pa 101.325kPa 260°C VOCs 20°C
VOCs VOCs

四、主要环境影响和保护措施

100dB A

COD

ABS PA66 PP PPE

292

-2929

2.7kg/t

ABS 200t PA66+35%GF 80t PA66 52t
 PP 700t PPE 100t 1052t/a
 2.8404t/a 4-1

ABS		200t/a	51.3mg/kg	-	-	(ABS)
			25.55mg/kg	[J].2008(27) 1095-1098		0.0103t/a
PA66		52t/a	10%	90%	611	PA
			[J].2016(6) 62-63		0.0156t/a	/

2.8404t/a

0.0103t/a

0.0051t/a

0.0156t/a

1

90%

40%

10000m³/h

1

18

DA001

0.2556t/a

0.0009t/a

0.0005t/a

0.0084t/a

0.284t/a

0.001t/a

0.0005t/a

0.0016t/a

390t/a

33-37 431-434

2.19kg/t-

0.8541t/a

1%

20.97t/a

0.8%

0.1678t/a

3

1

1

1

18m

DA002

90%

95%

2000m³/h

0.046t/a

0.1022t/a

CNC

5

7

DA001	18	0.5	14.15	25		120 31 31.228 31 11 6.149	GB31572-2015 5
DA002	18	0.22	14.62	25		120 31 31.281 31 11 5.835	

509.6kg/a
450
2097 /
GB31572—2015
GB31572-2015
DA001
0.243kg/t
0.3kg/t
15m
13
18m

DA 001		100 00	2.556 4	1.210 4	121.04 17		90%	0.255 6	0.121	12.10 23	60	/
			0.009 3	0.004 4	0.4403		90%	0.000 9	0.0004	0.042 6	0.5	/
			0.004 6	0.002 2	0.2178		90%	0.000 5	0.0002	0.023 7	20	/
			0.014	0.006 6	0.6629		40%	0.008 4	0.004	0.397 7	20	/
			144	/	/		90%	14.4	/	/	20	/
DA 002		200 0	0.919 7	0.435 5	217.73 2		95%	0.046	0.0218	10.89 02	20	/

2112 /

			0.284		/	0.284	0.1345					
			0.001		/	0.001	0.0005					
			0.0005		/	0.0005	0.0002					
			0.0016		/	0.0016	0.0008					
			16		/	16	/					
			0.1022		/	0.1022	0.0484					

1h

1h

	TA00 1		1.2104	121.0417	DA001	1	0-1		
			0.0044	0.4403					
			0.0022	0.2178					
			0.0066	0.6629					
	TA00 2		0.4355	217.732	DA002	1	0-1		

[2019]53

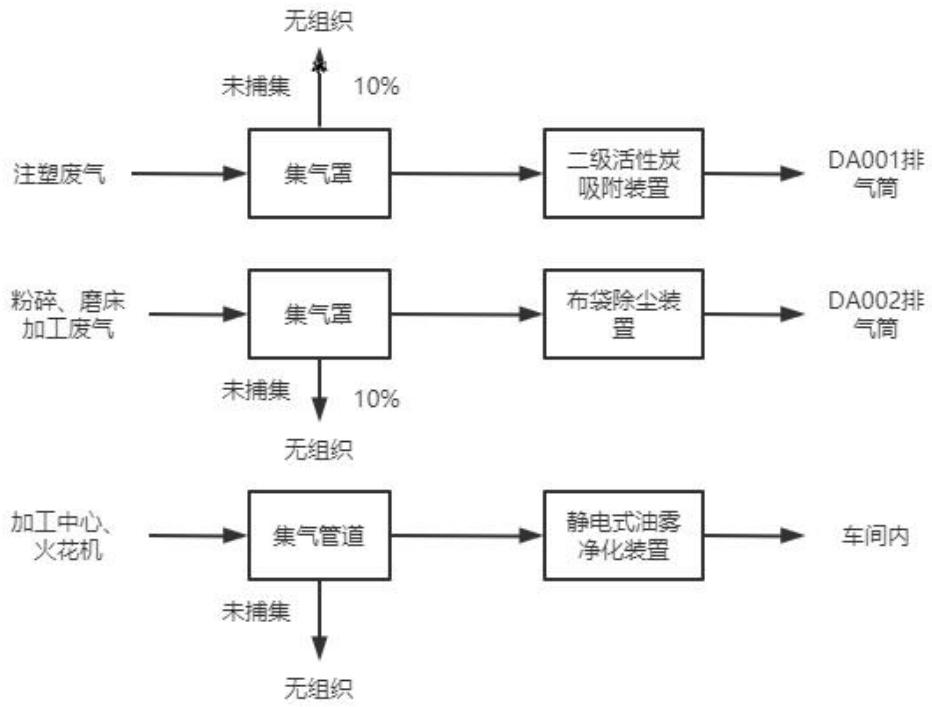
VOCs

VOCs

18 DA001

18 DA002

4-1



GB/T 16758-2008

A

A.2

GB50019-2015

J

J.0.3

$$Q=3600 F V_x$$

$$Q \text{ m}^3/\text{h} = 3600 \times F \text{ m}^2 \times V_x \text{ m/s}$$

$$F \text{ m}^2$$

$$V_x \text{ m/s}$$

12

0.5m

0.5m

P

90%

30cm É

$$V_x = \frac{Q}{3600 \times F} = \frac{9000 \text{ m}^3/\text{h}}{3600 \times 12 \text{ m}^2} = 0.208 \text{ m/s}$$

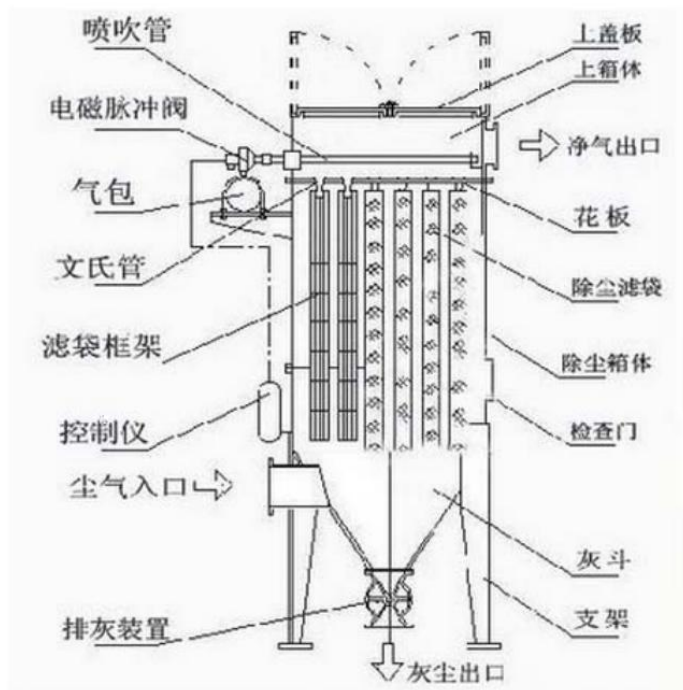
$$Q = 9000 \text{ m}^3/\text{h}$$

60°

GB37822-2019

0.3m/s

90%



1.0~1.2kPa

2000m³/h

1 /

2

95%

1 m

8.0-10.0m/s

95%

2

PLC

1

$T = m \cdot s \cdot c \cdot 10^{-6} \cdot Q \cdot t$

T

m

s

kg

%

10%

c VOCs mg/m³
 Q m³/h
 t h/d

1	5766	10	109.2046	10000	8	66
---	------	----	----------	-------	---	----

66 264
 4 5.766t
 25.38t/a

mm	2500×2230×2230	2500×2230×2230
m ²	4.96	4.96
m ³ /h	10000	10000
mm	1162.5mm	1162.5mm
t	2.883	2.883
kg/t	100	100
m/s	0.56	0.56
	25	25
%	90	90
	66 /	66 /
t	25.38	

GB/T7701.5 BET 350m²/g

cm ³ /g	≥0.55
--------------------	-------

mg/g		800	
m ² /g		≥750	
pH		8~10	
%		≤5.0	
%		≥90	
%		≥45	
g/L		450~600	
%	>6.30mm	≤5	
	3.15~6.30mm	≥90	
	<3.15mm	≤5.0	
0.45-0.6g/cm ³		0.5g/cm ³	
0.6m/s		0.56m/s	0.6m/s
HJ2026-2013			
1	1mg/m ³		
2	40	40	
3			
4	120%		
5	90%	90%	
6		600Pa	
7		GB13347	

		4Ω	
8	HJ/T397-2007		
9		30cm	
10			
11			
12	0.60m/s	0.56m/s 0.60m/s	
13			

HJ2026-2013

[2014]128

HJ1122 2020

2

UV /

HJ1122 2020

- VOCs

10

1#

1#	2019. 12. 30		5642	26.8	0.15			3248	ND	/	98%
			5446	23.8	0.13			3500	ND	/	
			5646	35.5	0.20			3408	ND	/	

98%

70%

90%

100

50

20

20

20

FQ01	2016.11.1	31534	0.438	0.0138	29434	0.038	0.00112	91.9
		31585	0.743	0.0235	30376	0.074	0.00225	90.4

VOCs 90% 90%

30 6%

GB37822-2019

GB/T16758

GB/T16758 AQ/T4274—2016

VOCs

0.3m/s VOCs

NMHC

≥3kg/h

VOCs

80%

NMHC

≥2kg/h

VOCs

80%

VOCs

1m/s

VOCs

90%

80%

VOCs

GB14554-1993

5 1958
5-8

6 1972
6

0	
1	
2	
3	
4	
5	

≥90%

“

”

18m

90%

GB14554-1993

1

0.00006mg/m³

0.000237mg/m³

2.18mg/m³

0.6mg/m³

“

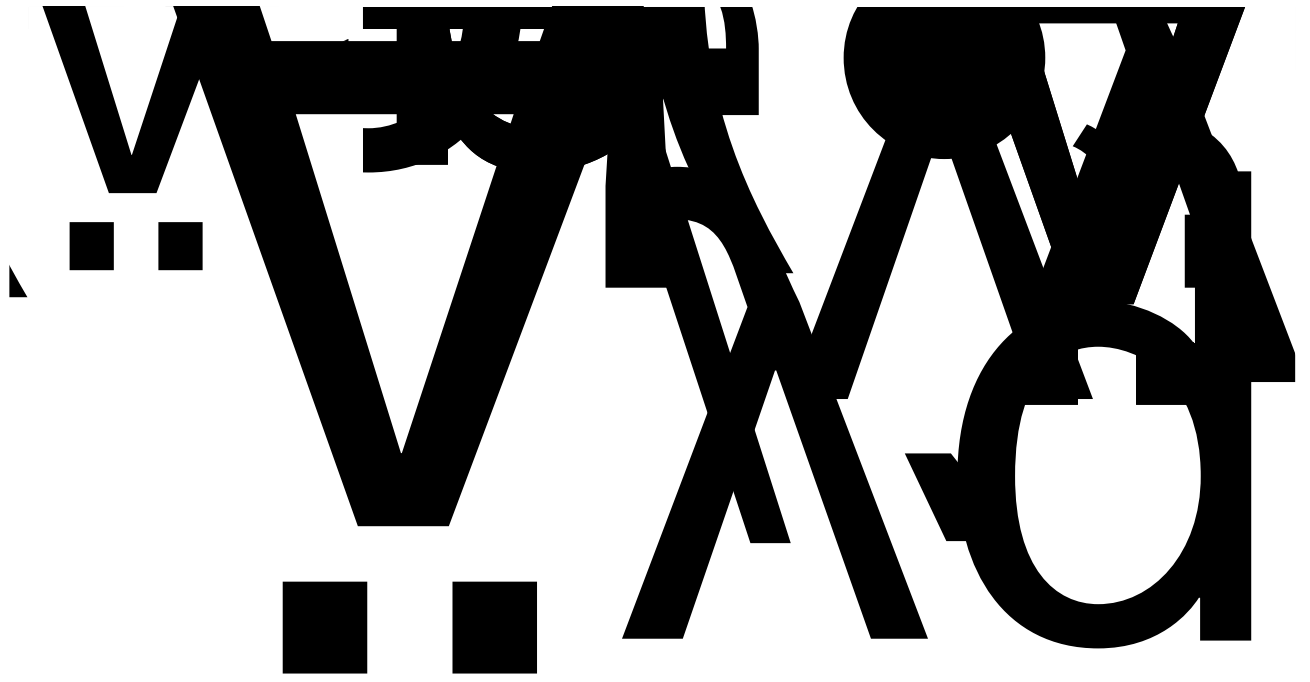
”

，

，

GB/T39499-2020

(Q_c/C_m)



		2.5	470	0.021	1.85	0.84	0.45	22.78	0.0484	5.881
										50

/ /

50m

2021

O₃

2019-2024

2024

DA001

1

1 18

≥90%

≥90%

40%

1

1 18

DA002

≥90%

≥95%

--	--	--	--	--	--

1	DA001		12.1023	0.121	0.2556
			0.0426	0.0004	0.0009
			0.0237	0.0002	0.0005
			0.3977	0.004	0.0084
2	DA002		10.8902	0.0218	0.046

			12.1023	0.121	0.2556
--	--	--	---------	-------	--------

				0.0426	0.0004	0.0009
				0.0237	0.0002	0.0005
				0.3977	0.004	0.0084
				10.8902	0.0218	0.046
1				GB31572-2015	9	4.0
						0.15
				DB32/4041-2021	3	0.5
						5
				GB14554-93	1	1.5
						0.284
				GB31572-2015	9	4.0
						0.15
				DB32/4041-2021	3	0.5
						5
				GB14554-93	1	1.5
						0.284
						0.5396
						0.0019
						0.001
						0.01
						0.1482
HJ 1207-2021						
		DA001		/		
				1 /	GB31572-2015	5

		DA002				
		1 3		1 /	GB31572-2015	9
				1 /	DB32/4041-2021	3
				1 /	GB14554-93	
					1	
		1.5m	1m	1 /	DB32/4041-2021	2
1				0.5t		1 10
		5t/a			20%	
2				2		
		360mm×250mm×200mm	0.018m ³	450mm×350mm×350mm	0.056m ³	
		80%	0.06t		30%	
264		2		1.584t/a		
3				0.05t/d		20
						10%
264		3.696t		600mm	400mm	400mm 0.096m ³
		0.09t/d				
4		W1		1		0.25t/h
		2112			528t/a	
		GB50015-2009				1%~2%
		2%		1%		5.28t/a

5.28t/a

10.56t/a COD SS

25 264

GB50015-2009 100L/(·) 660t/a

20% 528t/a COD SS

	528	COD	350	0.1848		350	0.1848		
		SS	220	0.1162				220	0.1162
		NH ₃ -N	30	0.0158				30	0.0158
		TP	5	0.0026				5	0.0026
		TN	50	0.0264				50	0.0264
	5.28	COD	50	0.0003		50	0.0003		
		SS	50	0.0003				50	0.0003
	533.28	COD	347.1	0.1851		347.1	0.1851		
		SS	218.46	0.1165				218.46	0.1165
		NH ₃ -N	30	0.0158				30	0.0158
		TP	5	0.0026				5	0.0026
		TN	50	0.0264				50	0.0264

4-20

1	COD SS NH ₃ -N TP TN	/	/	/	DW001	√ □	√

2		COD SS								
---	--	-----------	--	--	--	--	--	--	--	--

4-21



9

9 @ K108

Q 9 V

2

	6.5-8.5	150
	6.5-8.5	50
%	/	67
	6.5-8.5	/

600mm×400mm×400mm 0.096m³ 8h 0.09t/d
0.05t/d 0.09t/d 0.05t/d

GB/T19923-2005 1

528t/a 5.28t/a

t/d 15 t/d 7.5 7.5 t/d 2013 2016

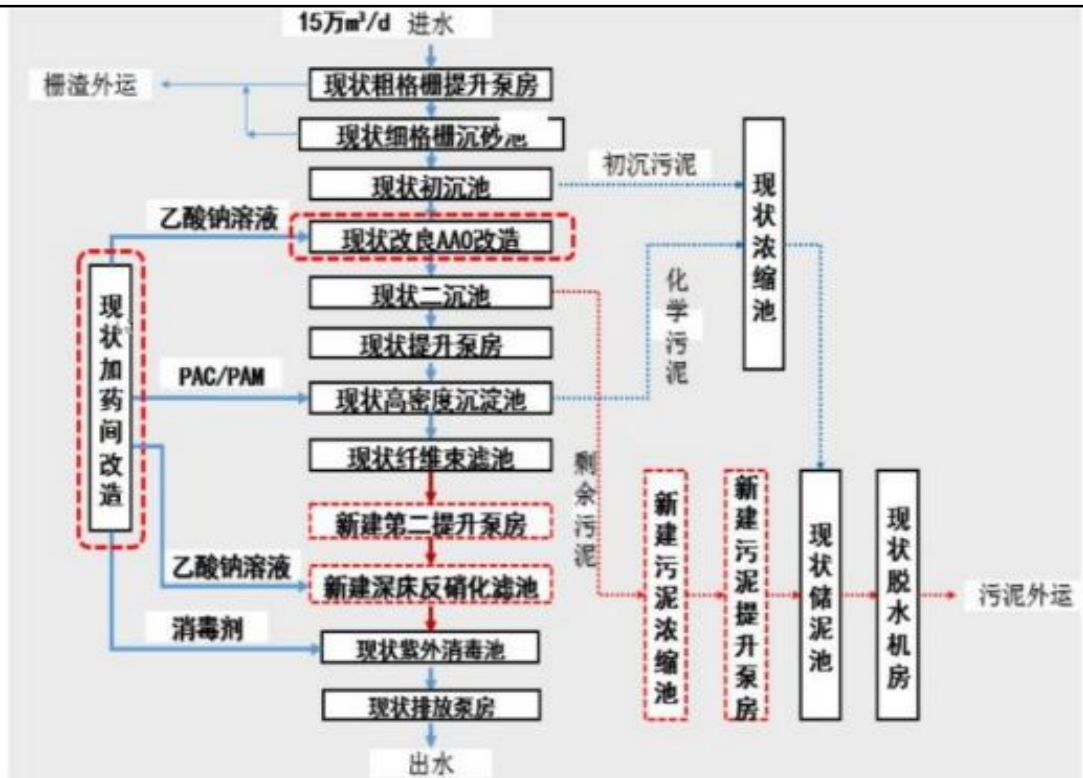
4 2009

14.4 t/d 0.6 t/d

()

()

100



注：红色虚线部分为本次技改内容。

2005 6

7.5 t/d

“A²/O

”+“ ”

2018 9

2019

“ ”

+

“

”

SS TP TN

GB18918-2002 1 A

“ 2017 61 ”

COD 350mg/L SS 220mg/L

30mg/L TP 5mg/L TN 50mg/L

30

144000t/d

6000t/d

533.28t/a 2.02t/d

0.034%

“ ”

			/	2.02	533.28
1	DW001	COD	347.1	0.0007	0.1851
		SS	218.46	0.0004	0.1165
		NH ₃ -N	30	0.00006	0.0158

		TP	5	0.00001	0.0026
		TN	50	0.0001	0.0264
			COD		0.1851
			SS		0.1165
			NH ₃ -N		0.0158
			TP		0.0026
			TN		0.0264

HJ 1207-2021 2

75dB(A) 80dB(A)

4-25 4-26

1		/	78/1		5	7	20	1	7	66.10	8	20	46.10	1
2		86T~530T	78/1		5	6	21	2	6	67.44	8	20	47.44	1
3		450/650 FORME35 0/E600	80/1		5	7	43	1	7	66.55	8	20	46.55	1
		ZMC-540/ ZMC-450												
4		VME-850 H/ MILL P900/ T-6	78/1		5	13	20	1.5	13	57.71	8	20	37.71	1
5		200kg/h	77/1		5	7	20	2	7	65.10	8	20	45.10	1

6		50kg/h	76/1		5	13	25	1	13	48.72	8	20	28.72	1
7		610/ 618	80/1		5	22	19	1	8	61.71	8	20	41.71	1
8		4080AHR	80/1		5	22	16	1.5	8	56.94	8	20	36.94	1
9		4V	78/1		5	17	25	1	13	55.49	8	20	35.49	1
10		360×250× 200/450×3 50×350	76/1		5	16	66	1.5	4	61.97	8	20	41.97	1
11		/	80/1		5	17	17	1	13	52.72	8	20	32.72	1
12		/	75/1		5	27	23	1	3	60.46	8	20	40.46	1

1		0.6m ³ /h	-1	20	2		80/1							8
2		0.25t/h	10	28	13		75/1							8
3		10000m ³ /h 2000m ³ /h	10	20	13		78/1							8

25dB(A)

													/	
													1	
													2	
													/	
													/	

GB/T15190-2014

HJ 2.4-2021

1

(Leq g)

$$L_{eqg} = 10 \lg \left(\frac{1}{T} \sum_i t_i 10^{0.1L_{Ai}} \right)$$

L_{eqg} — dB(A) T —
 L_{Ai} — i
 A dB(A) T — s t_i — i T

s

2

i A L_{Ai} T t_i
 j A L_{Aj} T t_j

(Leq g)

$$L_{eqg} = 10 \lg \left[\frac{1}{T} \left(\sum_{i=1}^N t_i 10^{0.1L_{Ai}} + \sum_{j=1}^M t_j 10^{0.1L_{Aj}} \right) \right]$$

L_{eqg} — dB

T — s

N —

t_i — T i s

M —

t_j — T j s

		88	25	23	27.23	35.77	47.63
		88	25	24	27.60	35.40	
		88.5	25	23	27.28	36.22	
		85	25	17	24.62	35.38	

		87.0	25	23	27.23	34.77	
		76.0	25	17	24.61	26.39	
		84.8	25	8	18.09	41.71	
		80	25	8	18.06	36.94	
		82.8	25	13	22.31	35.49	
		79	25	14	22.91	31.09	
		80	25	13	22.28	32.72	
		75	25	3	9.54	40.46	
		83	25	29	28.62	29.38	
		75	25	20	26.02	23.98	
		81	25	20	32.01	23.99	
		88	25	20	26.02	36.98	
		88	25	21	26.44	36.56	
		88.5	25	43	32.72	30.78	
		85	25	20	26.03	33.97	
		87.0	25	20	26.02	35.98	
		76.0	25	25	27.96	23.04	
		84.8	25	19	25.60	34.20	
		80	25	16	24.08	30.92	
		82.8	25	25	27.99	29.81	
		79	25	66	36.38	17.62	
		80	25	17	24.61	30.39	
		75	25	23	27.23	22.77	
		83	25	20	26.01	31.99	
		75	25	28	28.94	21.06	
		81	25	20	26.01	29.99	
		88	25	7	16.9	46.10	
		88	25	6	15.56	47.44	
		88.5	25	7	16.95	46.55	
		85	25	13	22.29	37.71	
		87.0	25	7	16.90	45.10	
		76.0	25	13	22.28	28.72	
		84.8	25	22	26.88	32.92	
		80	25	22	26.85	28.15	
		82.8	25	17	24.64	33.16	
		79	25	16	24.07	29.93	
		80	25	17	24.61	30.39	
		75	25	27	28.63	21.37	
		83	25	1	9.53	48.47	
		75	25	10	20.00	30.00	
		81	25	10	19.99	36.01	
		88	25	50	33.98	29.02	43.60

		88	25	49	33.80	29.20	
		88.5	25	27	28.68	34.82	
		85	25	50	33.99	26.01	
		87.0	25	50	33.98	28.02	
		76.0	25	45	33.06	17.94	
		84.8	25	51	34.18	25.62	
		80	25	54	34.65	20.35	
		82.8	25	45	33.09	24.71	
		79	25	4	12.03	41.97	
		80	25	53	34.49	20.51	
		75	25	47	33.44	16.56	
		83	25	50	33.97	24.03	
		75	25	42	32.46	17.54	
		81	25	50	33.97	22.03	
		88	25	82	38.28	24.72	
		88	25	80	38.06	24.94	
		88.5	25	73	37.32	26.18	
		85	25	80	38.07	21.93	
		87.0	25	82	38.28	23.72	
		76.0	25	76	37.62	13.38	
		84.8	25	75	37.53	22.27	
		80	25	73	37.27	17.73	33.33
		82.8	25	70	36.93	20.87	
		79	25	44	32.86	21.14	
		80	25	78	37.84	17.16	
		75	25	64	36.12	13.88	
		83	25	90	39.07	18.93	
		75	25	76	37.62	12.38	
		81	25	80	38.05	17.95	

	58.60	/	47.63	58.93	/
	58.10	/	44.19	58.27	/
	57.20	/	54.19	58.96	/
	56.70	/	43.60	56.91	/
	53.80	/	33.33	53.84	/

56.91~58.96dB A

53.84dB A

GB12348-2008 2

2

≤60dB(A)

HJ 1207-2021

	1	Leq A	

GB12348-2008 2

2

≤60dB(A)

GB34330-2017

GB5085.7

1

S1

0.5t/a

2

S2

0.01t/a

2

S3

2t/a

3

S4

0.1t/a

4	S5			0.1t/a			
5	S6						
	0.1t/a			HW08	900-249-08		T I
6	S7						
					0.3t/a		HW08
				900-249-08			T I
7	S8						4.4t/a
				HW09	900-006-09		T
8							
					S9		
	2t/a						
					HW08	900-249-08	T/I
9							
					S10		
	2t/a						
					HW08	900-249-08	
T/I							
10							
					1t/a		
						0.8737t/a	
11							25.38t/a
					HW49	900-039-49	
T							
12					25	264	0.5kg/d
	3.3t/a						

1					0.5	√	-	
2					0.01	√	-	

3					2	√	-	GB3433 0-2017
4					0.1	√	-	
5					0.1	√	-	
6					0.1	√	-	
7					0.3	√	-	
8					4.4	√	-	
9					2	√	-	
10					2	√	-	
11					1	√	-	
12					25.38	√	-	
13					3.3	√	-	

GB T 39198-2020

(GB 5085.7 2019)

(HJ 298 2019)

2021

4-32

1					GB/T 39198-2020	/		292-001-07	0.5
2						/		292-999-99	0.01
3						/		292-002-09	2
4						/		292-999-99	0.1
5						/		292-999-99	0.1
6						/		292-999-66	1
7					2021	T I	HW08	900-249-08	0.1
8						T I	HW08	900-249-08	0.3

9	(GB 5085.7 2019)	T	HW09	900-006-09	4.4
10	(HJ 298 2019)	T I	HW08	900-249-08	2
11		T I	HW08	900-249-08	2
12		T In	HW49	900-039-49	25.38
13	/	/	/	/	3.3

7			HW08	900-249-08	0.1		
8			HW08	900-249-08	0.3		
9			HW09	900-006-09	4.4		
10			HW08	900-249-08	2		
11			HW08	900-249-08	2		
12			HW49	900-039-49	25.38		
13			/	/	3.3		

10m²

GB18599-2020

GB15562.2-1995

GB18597-2001

GB18597-2001

GB15562.2-1995

HJ2025-2012

[2019]327

([2019]53)

1	15	HW08	3		3t		3m ² 5m
3		HW09	2		2t		2m ² 5m
4		HW49	8		8t		8m ² 5m
5			2	/	/	/	/

15

GB18597-2001 2013

2019 327

		1 ;		
] [2019] 149)) (GB15562.2- 1995) (1) ; (2)	(([2019] 149) () (GB 15562.2-1995) ;	
1	GB18597-2001 GB15562.2-1995	GB18597-2001 5mm	GB15562.2-1995 200cm 120cm 80cm	

		<p>5mm 75cm 45cm 2.5cm</p> <p>200cm 2cm 42cm</p> <p>20cm 10cm 10cm 20cm</p>	
2		<p>GB/T28181-2016 GA/T1211-2014</p> <p>24</p> <p>300 3</p>	
3		<p>HW08 900-249-08 HW09 900-006-09 HW49 900-039-49</p>	
4			/
5			/
6			3
7			
8	100	120mm	
9	A		
10			

11		$\leq 10^{-7} \text{cm/s}$	
12			
<p style="text-align: right;">[2019]327</p> <p style="text-align: center;">GB18597-2001</p> <p style="text-align: center;">GB18597-2001 A</p> <p style="text-align: center;">“ ”</p> <p style="text-align: right;">GB18597-2001</p> <p style="text-align: center;">GB18597-2001</p> <p style="text-align: center;">GB15562.2-1995</p>			

“ ” ” ”

HJ2025-2012

HJ2025-2012

[2018]91

4.4t/a

2t/a

0.1t/a

0.3t/a

25.38t/a

2t/a

HW08

900-249-08

HW09

900-006-09

HW49

900-039-49

44600t/a
0.077%

34.18t/a

[2015]99

“ ” ” ”

GB18599-2020

GB18597-2001

100%

1

2

3

GB36600-2018

GB18597-2001 2013

[2019]327

[2019]149

4-38

		1	15-20cm
		2	
		3	

		4	$\leq 10^{-7}$ cm/s
		1 2	$\leq 10^{-7}$ cm/s

”

“

HJ/T169-2018

4-39

1	ABS 粒子	-		404	/	/		/	/
2	PA66 +35% GF	35%		/	/	/		/	/
3	PP			/	/	% v/v % v/v 20 g/m ³		/	/
4	PPE			/	/	/		/	/

5	润滑油			/	-183.1	/		/	/	
6	切削液			/	204	/		/	/	
7	火花油			/	/	/		/	/	

2

500 500

3-7

1 (Q)

Q M

HJ169-2018 B

1		0.25	2500	HJ169-2018 B	0.0001
2		0.05	2500	HJ169-2018 B	0.00002
3		0.25	2500	HJ169-2018 B	0.0001
5		0.075	2500	HJ169-2018 B	0.00003
6		0.25	2500	HJ169-2018 B	0.0001
qn/Qn					0.00035

HJ169-2018 B Q

Q
HJ169-2018

C.1

$$Q \frac{q_1}{Q_1} + \frac{q_2}{Q_2} + \dots + \frac{q_n}{Q_n} \geq 1$$

q_1, q_2, \dots, q_n _____

t

Q_1, Q_2, \dots, Q_n _____

t

Q 1

I

$Q \geq 1$

Q

1 $1 \leq Q < 10$

2

$10 \leq Q < 100$

100

3

$Q \geq 100$

$Q = 0.00035^{-1}$

2

M

HJ169-2018

C

C.1

M

5

M4

3

P

Q

M

(HJ169-2018)

C

C.2

P

$Q = 0.00035^{-1}$

1

P

I

IV

III

II

I

	IV IV ⁺	III	II	I
				a

a

A

I

1					/	
2					/	
3					/	
4					/	
5			/		/	
6			/		/	
7					/	
8					/	
9						

	1					
	2					
	3					
	4		/			

GB50140-2005

GB50016-2014

5

GB13347

4Ω

6

7

8

9

GB50974-2014

$$V = V_1 + V_2 + V_{\max} - V_3$$

$$V_1 + V_2 + V_{\max} \text{ ———}$$

$$V_1 \text{ ———}$$

$$V_2 \text{ ———}$$

3

$$V \text{ ———}$$

$$V_3 \text{ ———}$$

V_1

14000m³

GB50974-2014

25L/s

90m³/h

1

80%

V_2

90m³/h

*1h*80%=72m³

V

$$V = q \cdot \psi \cdot F \cdot T$$

Q— l/s

ψ — $\psi=0.3$

F— ha 1630 0.2

q— l/s

$$q = \frac{3306.63 (1 + 0.8201 \lg P)}{(t + 18.99)^{0.7735}} = 244.5 \text{ L/s}$$

p=1

t=10min T=600s

$$V = 244.5 \times 0.3 \times 0.2 \times 600 \div 1000 = 8.8 \text{ m}^3$$

$$V = V_1 + V_2 + V \quad \text{max} = 80.8 \text{ m}^3 \quad 81 \text{ m}^3$$

1 81m³

81m³

		1
		2

DB3795-2020

40

8%

4-44

			1 18m DA001 10000m ³ /h	18	/
		90%	90% 40%		
			1 18m DA002 2000m ³ /h 95%	10	/
				2	/
					/
				3	/
				0.5	/
				4	/

			0.5	/
	/		/	/
	/		2	/
		81m ³		
			40	/

五、环境保护措施监督检查清单

		DA001		18m DA001 10000m ³ /h 90% 90% 40%	1	GB31572-2015	5		
		DA002		DA002 2000m ³ /h 95%	1 18m 90%	GB31572-2015	5		
						DB32/4041-2021	3		
						GB31572-2015	9		
						GB14554-93	1		
						DB32/4041-2021	3		
					/	DB32/4041-2021	2		
			COD SS NH ₃ -N TP TN						
			Leq			12348-2008)	(GB 2		

六、结论

130

450

GB31572-2015

GB14554-93

DB32/4041-2021

GB12348-2008 2

100%



附表

			/	/	/	0.2556	/	0.2556	+0.2556
			/	/	/	0.0009	/	0.0009	+0.0009
			/	/	/	0.0005	/	0.0005	+0.0005
			/	/	/	0.0084	/	0.0084	+0.0084
			/	/	/	0.046	/	0.046	+0.046
			/	/	/	0.284	/	0.284	+0.284
			/	/	/	0.001	/	0.001	+0.001
			/	/	/	0.0005	/	0.0005	+0.0005
			/	/	/	0.0016	/	0.0016	+0.0016
			/	/	/	0.1022	/	0.1022	+0.1022
		/	/	/	533.28	/	533.28	+533.28	
	COD	/	/	/	0.1851	/	0.1851	+0.1851	
	SS	/	/	/	0.1165	/	0.1165	+0.1165	
	NH ₃ -N	/	/	/	0.0158	/	0.0158	+0.0158	

	TP	/	/	/	0.0026	/	0.0026	+0.0026
	TN	/	/	/	0.0264	/	0.0264	+0.0264
		/	/	/	0.5	/	0.5	+0.5
		/	/	/	0.01	/	0.01	+0.01
		/	/	/	2	/	2	+2
		/	/	/	0.1	/	0.1	+0.1
		/	/	/	0.1	/	0.1	+0.1
		/	/	/	1	/	1	+1
		/	/	/	0.1	/	0.1	+0.1
		/	/	/	0.3	/	0.3	+0.3
		/	/	/	4.4	/	4.4	+4.4
		/	/	/	2	/	2	+2
		/	/	/	2	/	2	+2
		/	/	/	25.38	/	25.38	+25.38
		/	/	/	3.3	/	3.3	+3.3

= + + - = -

附图：

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

附件：

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9