

B-2025-04-07



2024				
2.1				
2024				
CO ₂		723.32	723.32	
CO ₂		/	/	
CO ₂		/	/	
CO ₂		8707.78	8707.78	
CO ₂		10720.67	10720.67	
		CO ₂	723.32	
		CO ₂	20152	
2.2				
C2661				
2024				
2023				
(tCO ₂ e)		19221	20152	4.84%
		217364	228301	5.03%

(tCO ₂ e/)	0.0884	0.0883	-0.18%
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2024

4.84% 2024

5.03%

0.18%

2024

5.03%



4.2	44
4.2.1	44
4.2.2	44
4.3	45
4.4	

“ ” 2024

(1)

(2)

2024

CO₂

CO₂

CO₂

CO₂

-

-

-

GB/T 2589-200³⁰

1	1		
		2	3
2	1		

2025 03 30			

1

2025 04 02

2025 04

08

2025

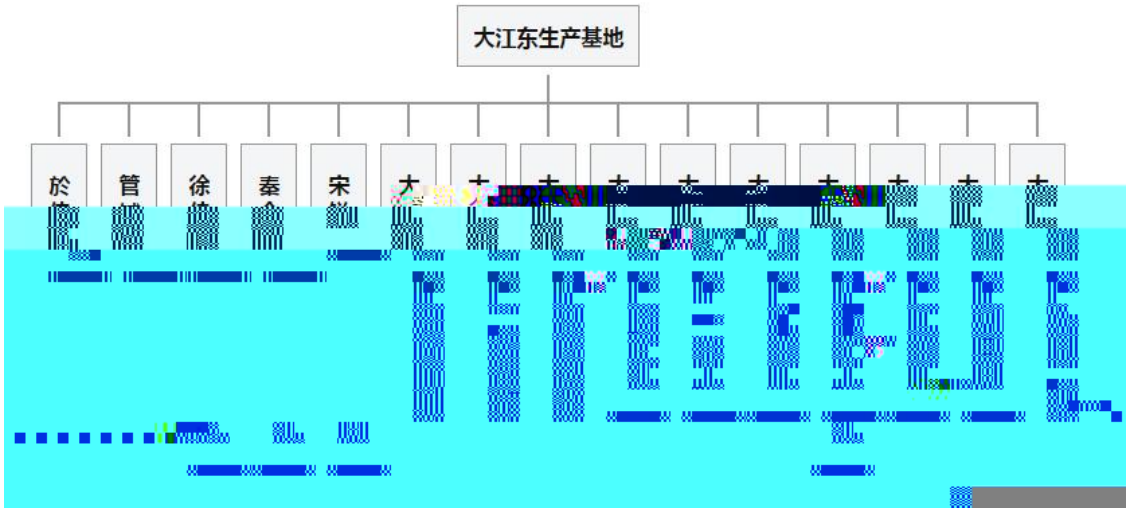
04 10

2 2024

		138722	
		22196	
		228301	
		8394.23	

3

3-1

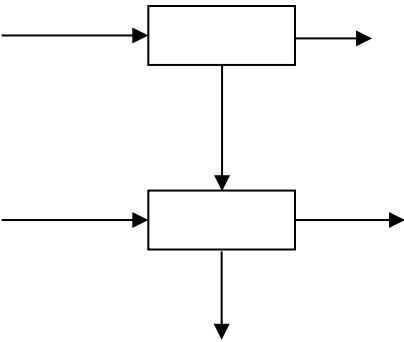


GB1716

15 20

2

600" ۳۴



PS-A

600K

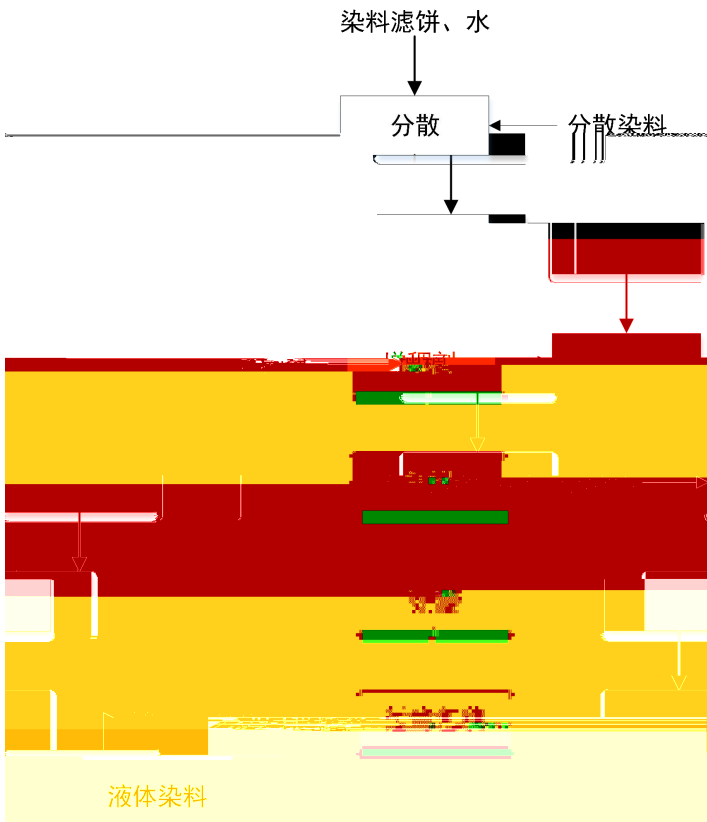
PS-A

023

Z0805

CDT

3



0.5h

1.5h

6~10

6~10

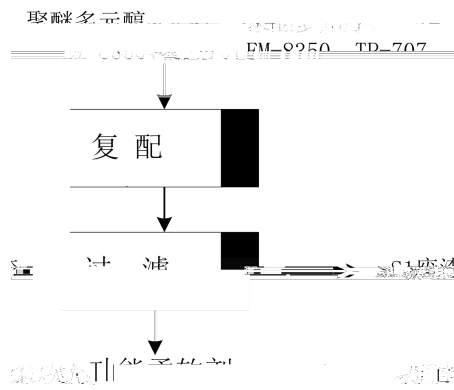
ph

3

3h

ph

3



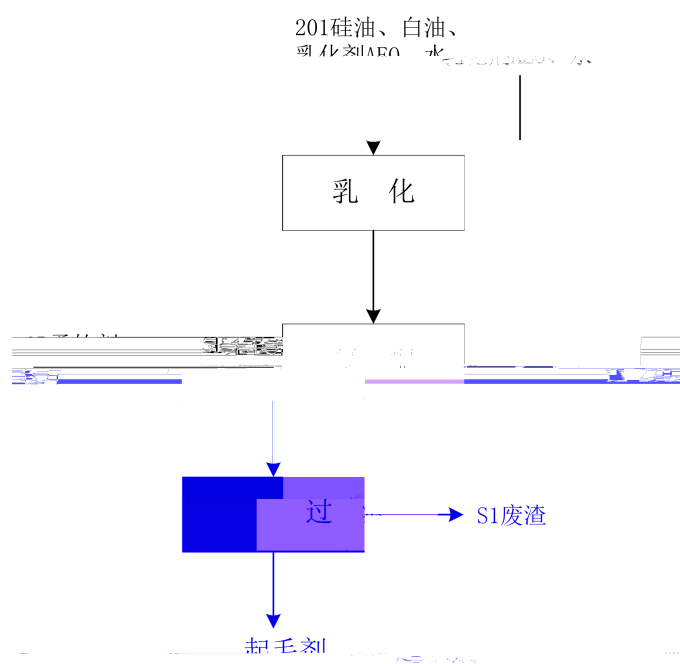
TP-707

EM-8350

40 50

1 2

4

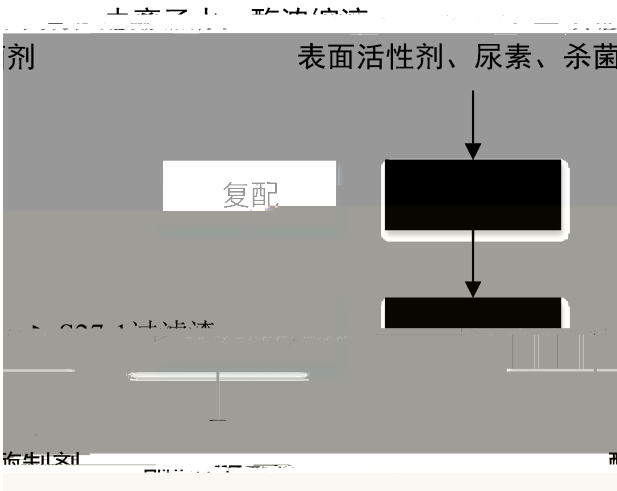


201

AEO

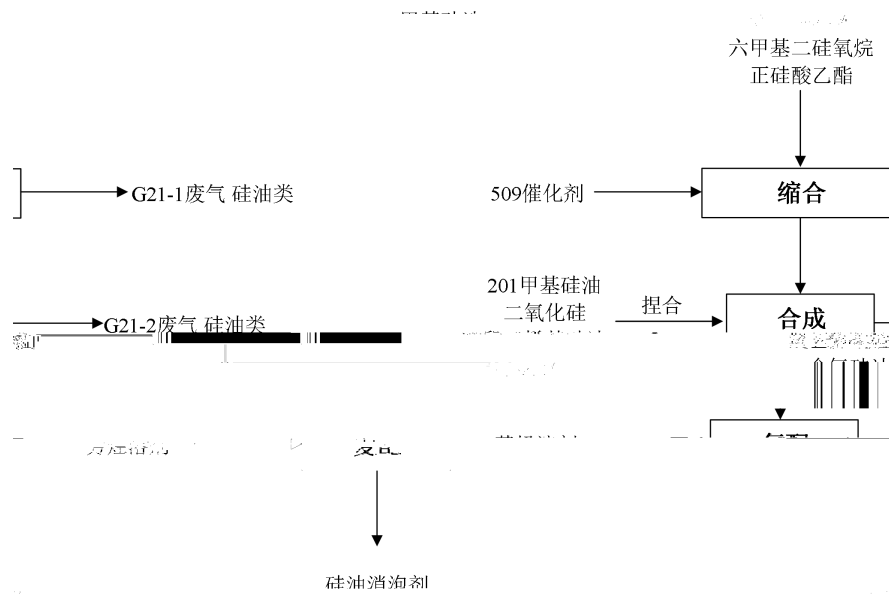
	1	2		0.5		
SR		YN-270	40	50	1	2

5



1

6



509

201

115

1

180

3

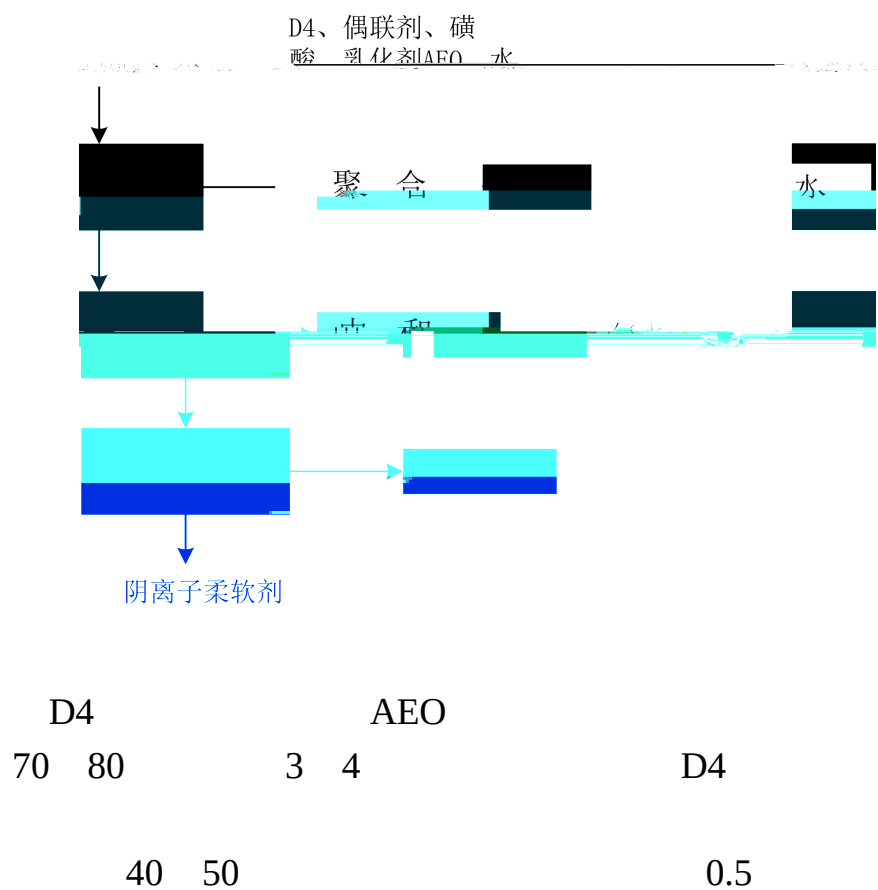
70

7 6501

30min

() pH 30-60min
 ()
 6501
 30-60min

8



$$7 \text{ KOH} \xrightarrow[1 \text{ h}]{-15^\circ \text{C}} \text{KOH} + \text{KOH} + \text{KOH} + \text{KOH} + \text{KOH} + \text{KOH} + \text{KOH}$$

130 135 4 ()

95%

1h 70 80 60 A

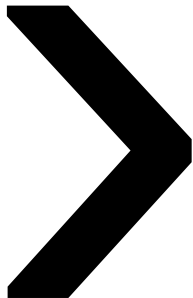
A

1 2

0.5

2 3% A A

11



80

90

680

3

DM

110

120

3

DMC

2

+

79

81

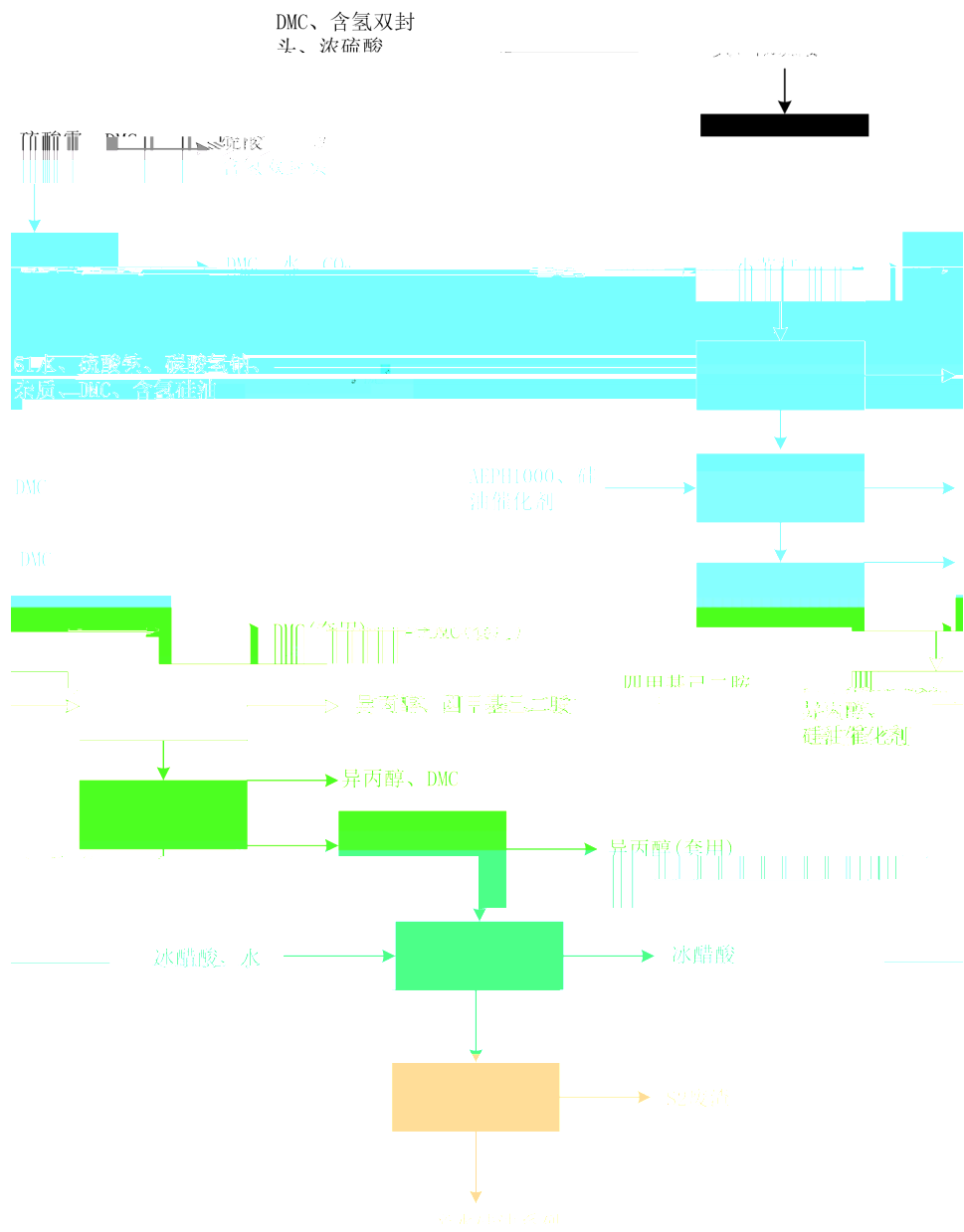
20

DMC

40

50





1
DMC

30 40 3

30

70 80 2

DMC

1
DMC

DMC

0.098MPa

()

0.098MPa

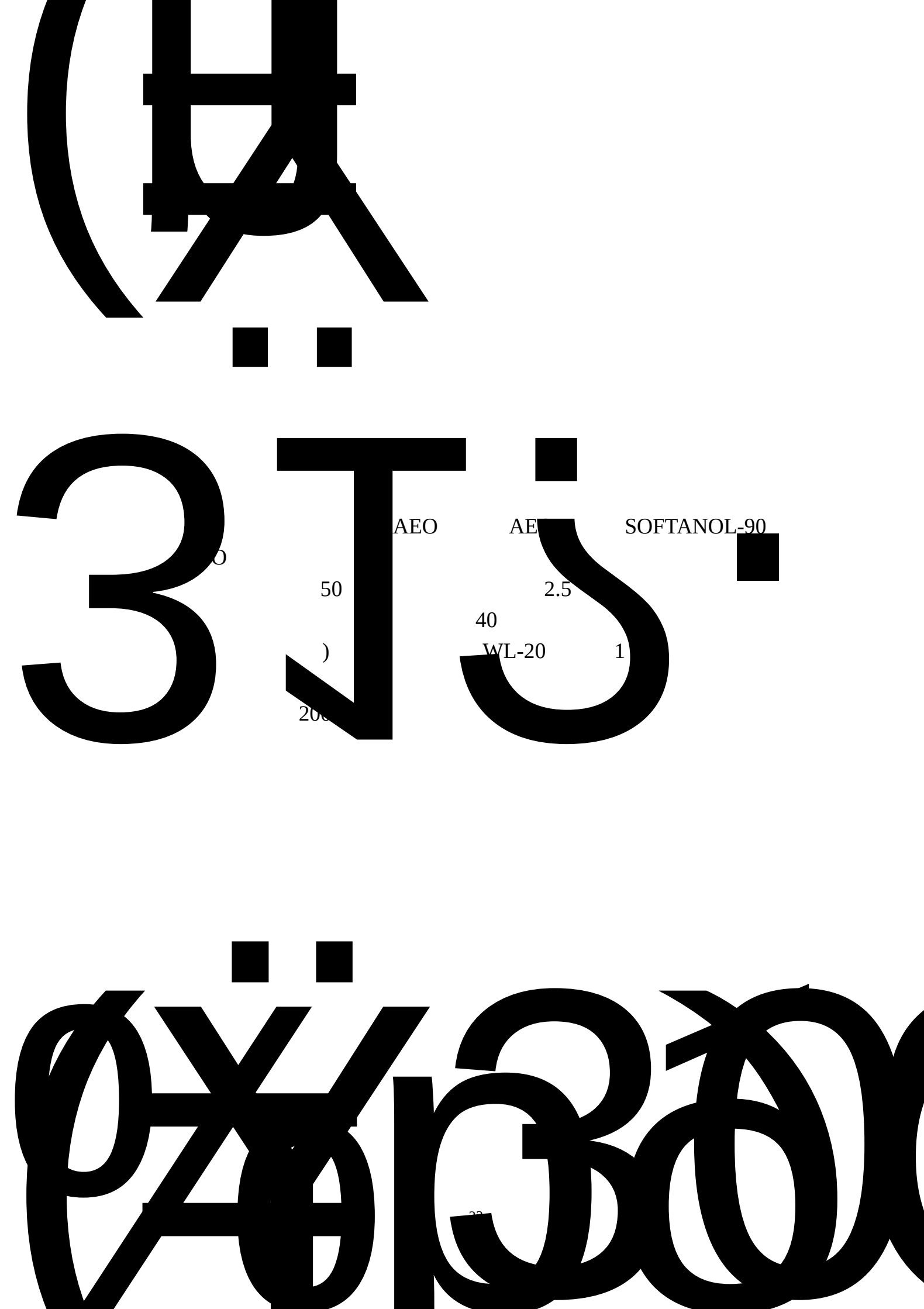
130

4

50

()

14



3

S

AEO

AE

SOFTANOL-90

50

2.5

40

WL-20

1

200

P A E O L G B O O O

3-2

№	О	№	№	№	№	№	№
1	1	LGS-20/8G	1	110Kw	1	2017-08	1
2	1	LGS-20/8G	1	110Kw	1	2017-08	1
3	1	QGDV160W-8	1	160Kw	1	2020-12	1
4	1	LS20MMZA	1	250Kw	1	2017-09	1
5	1	LS20MMZA	1	250Kw	1	2017-09	1
6	1	YS16MNHZA	1	110Kw	1	2017-09	1
7		XBD8/80-QW	3	110Kw	1	2017-07	1
8		XBD12/60-150L-KQ	2	132Kw	1	2021-05	1
9	1	3LP130-55/5	1	110kw	1	2019-10	
10	1	3LP110-45/5	1	75kw	1	2019-10	
11			1	55kw		2018-10	
12		HF-421B	1	55kW	1	2020-11	
13	1		3	11kW		2019-09	1
14	1		1	22kW		2019-09	1
15	1		2	75kW		2019-09	1
16	1		6	7.5kW		2019-09	1
17	№		4	45kW	1	2019-06	1
18			2	75kW	1	2019-06	1
19	1		2	30kW	1	2019-06	1

20

No

10

22kW

ĩ

2019-06

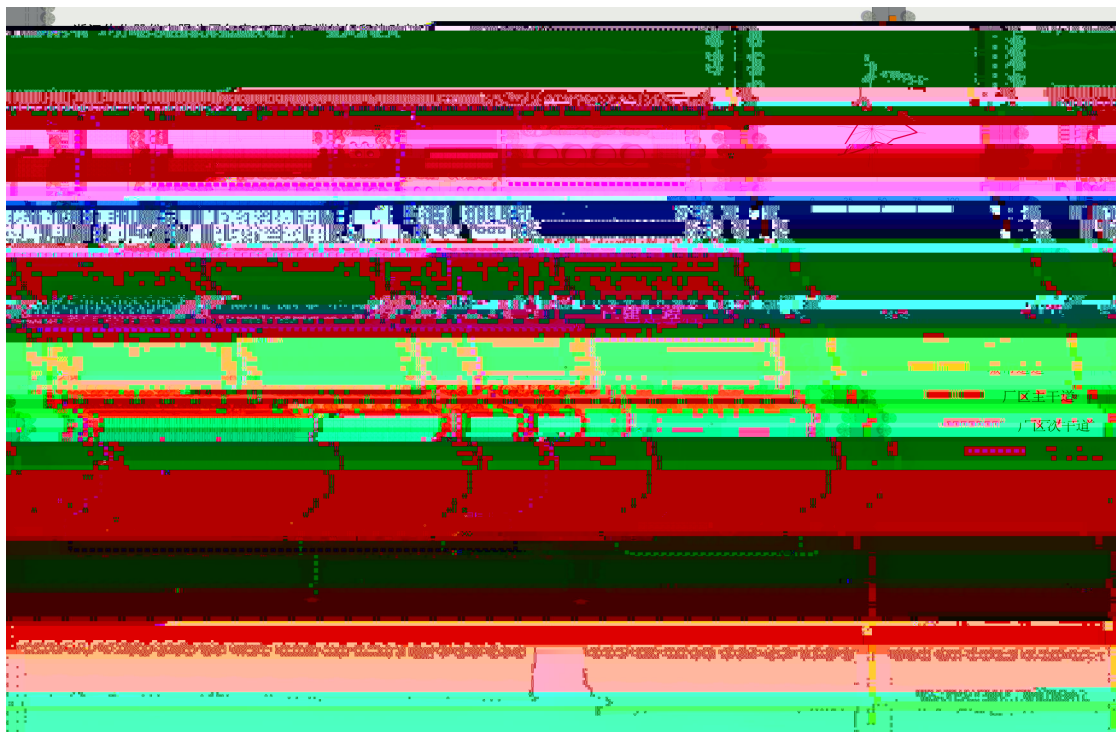
41			2	18.5kW		2019-04	↑ 3000
42	—	ALB125/40	2	55kW	↑	2017-07	‘E
43	—	ALB125/40	1	55kW		2017-07	‘E
44	Θ H	ALB50/120	2	15kW		2017-07	‘E
45	— ρ	ALB125/26	3	18.5kW		2017-07	‘E
46		ALB100/40	2	37kW		2017-10	‘E
47		ALB100/40	2	37kW		2017-10	‘E
48	H	ALB100/40	1	37kW	↑	2017-07	‘E
49	3000	ALB125/40	1	55kW	↑	2017-07	‘E
50		ALB150/40	1	75kW	↑	2017-07	‘E
51		ALB150/40	1	75kW		2017-07	‘E
52	° L	KQW125	1	37kW		2017-07	‘E
53	° L	KQW125	2	37kW		2017-07	‘E
54	1	CDLF80/40	1	30kW		2019-10	
55			2	22kW		2019-10	
56			1	45kW		2019-10	
57	1		1	45kW		2019-10	
58		BLD18.5-5-13	2	18.5kW		2020-05	
59		YB300J-60	1	37kW		2019-10	
60		HDSR-150A	2	30kW	↑	2017-10	
61		SF75	1	75kW	↑	2020-10	
62	1	XAAGF300/1500-4	1	37kW		2020-08	
63	4 4		9	5.5kW		2017-10	↑ 4 4

64	၄၂		31	7.5kW		2017-10	↑ ၃၂
65	၄၂		12	11kW		2017-10	↑ ၃၂
66	၄၂		4	15kW		2017-10	↑ ၃၂
67	၁၂		4	22KW		2019-04	
68	၁၂		30	7.5kW		2019-04	↑ ၃၂
69	၁၂		27	11kW		2019-04	↑ ၃၂
70			2	7.5kW		2019-04	↑ ၃၂
71	၁၂		9	15kW		2019-04	↑ ၃၂
72	၁၂		2	18.5kW		2019-04	↑ ၃၂
73	၁၂		4	22kW		2019-04	↑ ၃၂
74			7	15kW		2019-04	↑ ၃၂
75			6	11kW		2019-04	↑ ၃၂

		DSSD331	2		
		DSSD331	2		
		DSSD331	2		
		AGR96EL	0.5		
		AGR96EL	0.5		
		AGR96EL	0.5		
		AGR96EL	0.5		
		AGR96EL	0.5		
		AGR96EL	0.5		
		AGR96EL	0.5		
		AGR96EL	0.5		
		AGR96EL	0.5		
		AGR96EL	0.5		
		DT862a	0.1		
		DT862a	0.1		
		DT862a	0.1		
		ZT-3000A	0.5		9
		ZT-3000A	0.5		4

1818

2024



CO₂

CO₂

RTO

$$E = E_{\text{fuel}} + E_{\text{CO}_2} + E_{\text{CH}_4} + E_{\text{H}_2} + E_{\text{H}_2\text{O}}$$

E	tCO ₂	
E	tCO ₂	
E	tCO ₂	
E		tCO ₂
E	tCO ₂	
E	tCO ₂	

$$E_{\text{CO}_2} = \sum (A_n \times CC \times OF \times \frac{44}{12})$$

AD_i i

Nm³

CC_i i /

/ Nm³

OF_i i %

$$CC_i = NCV_i \times EF_i$$

NCV_i i GJ/

GJ/ Nm³

EF_i i /GJ

$$E = AD \times EF$$

E CO₂ tCO₂

AD		MWh
EF	CO ₂	CO ₂ /MWh

$$E = AD \times EF$$

E		CO ₂	tCO ₂
AD			GJ
EF	CO ₂		CO ₂ /GJ

[illegible]

389.31

389.31

GJ/t

		0.5366		0.5366
	tCO ₂ /MWh			
	2022			
	2022			

		0.11		0.11
	tCO ₂ /GJ			

97460.604	0.11	10720.67
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2024

2024

CO ₂	723.32	723.32
CO ₂	/	/
CO ₂	/	/
CO ₂	8707.78	8707.78
CO ₂	10720.67	10720.67
	CO ₂	723.32
	CO ₂	20152

C2661

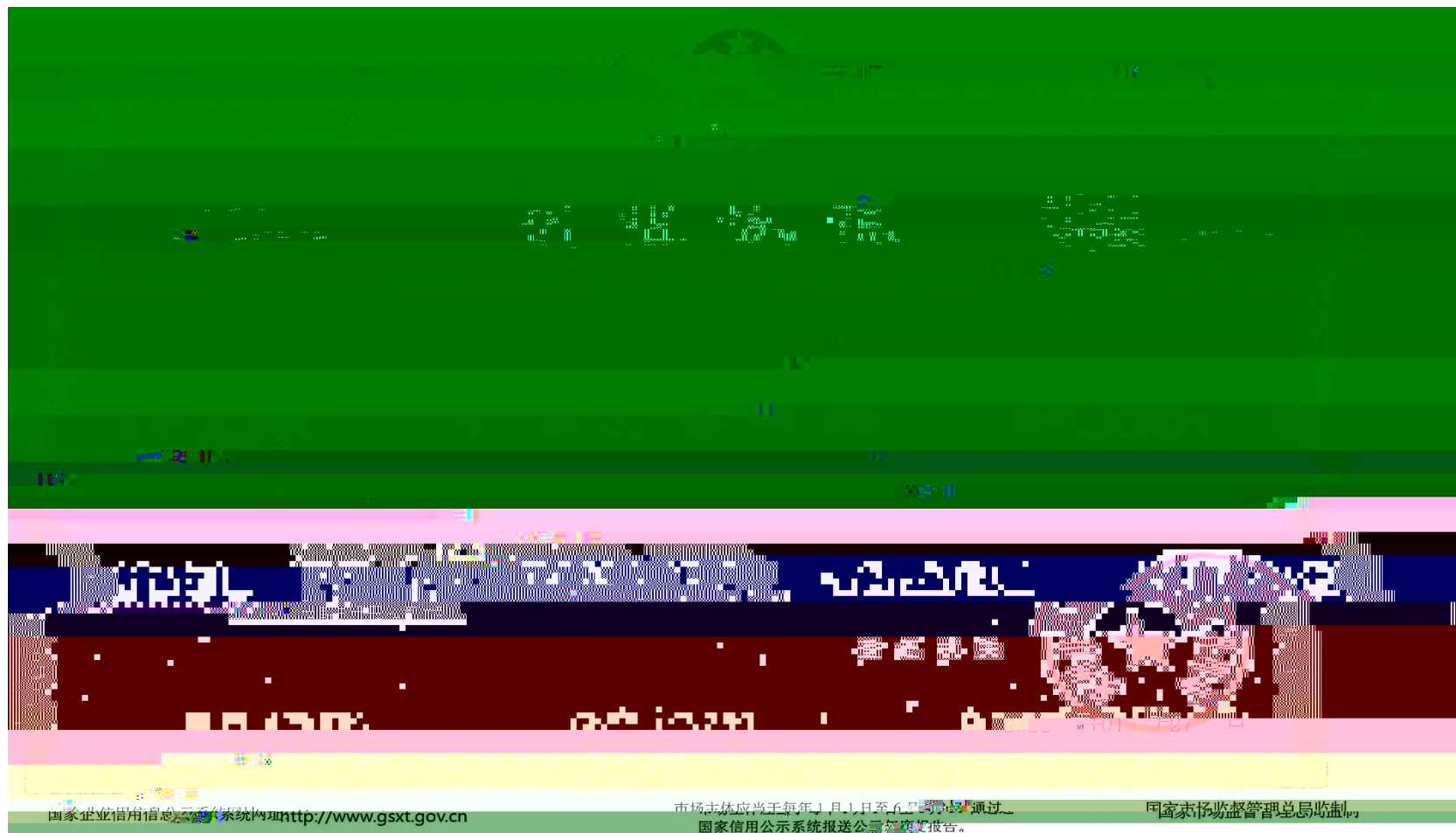
2024

	2024		2023
(tCO ₂ e)	19221	20152	4.84%
	217364	228301	5.03%
(tCO ₂ e/)	0.0884	0.088	

1

2

3





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行业类别: 专项化学用品制造, 化学试剂和助剂制造

