2025JNSD00053

! " # $ % &

#$ ' ()*+,-./0

1234 205 5 0 6 27 3

1 °±

1 #$8]

2024 1 1 -2024 12 31

CTB1245C-00

- -

ISO 14067-2018

PAS 2050:2011

CTB1245C-00

2. #$p²

1 CTB1245C-00

“ ”

3 #$VW

1) ISO 14067:2018

2) PAS 2050:2011

5 ³U-._`

1

2

3

4

6 ¶·a³U¸

CPCD Ecoinvent3.1 2006 IPCC IPCC 2006 2019

2. #$¹ºa@»

21 #$¼½

21q Ö×

1)
2) /
3) GHG
4)
5) GHG
6)
7)

221J ¤ À m

= 2 - 1 ¾

	/

222.r s À m

= 2 -

2025.5.11	
2025.5.19	
2025.5.20	

23 Á · Â Ã

“ ”

24 Ä Å # $

2025 5 19

2-3

= 2 -

		/	
1	GHG 1) 2) 3) 4) 5) 6) GHG	/ / / / / / / /	
2	GHG	/	

	1) 2) 3) 4) 5) 6) GHG 7)		
	GHG 1) GHG 2) GHG 3) GHG		
3	1) 2)		

25 #$%&Æ ÇÈV

3 #$‰É9:ÊË

3 ‡##$@9:ÊË

1993 831387

27 1.1 8 800

EPC+O&M 30

“ ”“ ”“ ”

6 2.5

EPC 2022
5 2 2023
6

1.5T
18

3. ‡#$ 9:ÊË

1

2

3

4

5

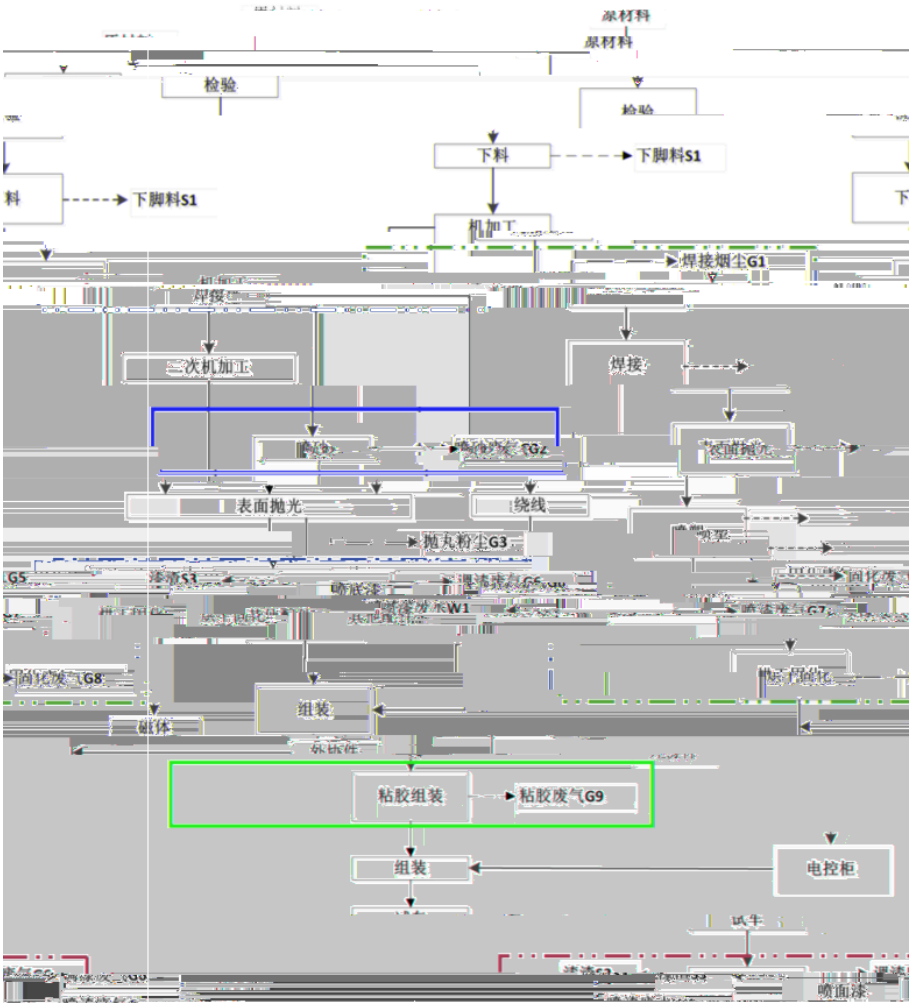
6

7

8

9

:



‰ 3 -

CTB1245C-

00 CTB1245C-

00

CTB1245C-00

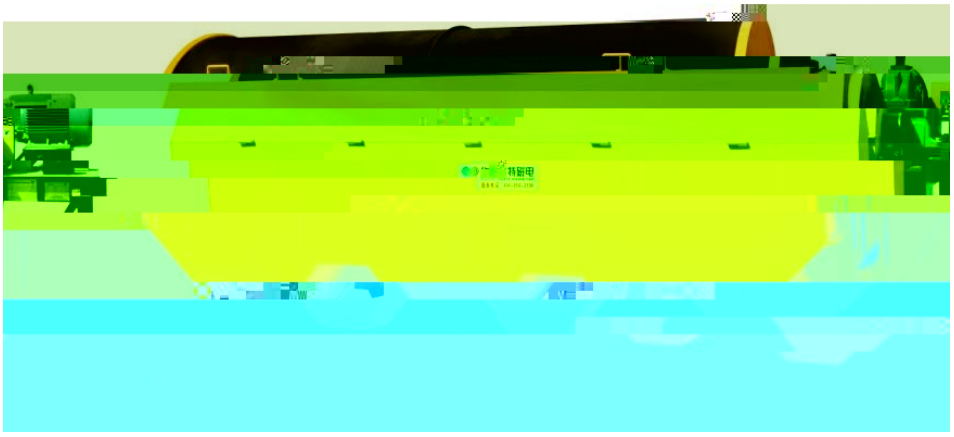
3 Njk4#$ÊË

1) rstu

2024 01 01 - 2024 12 31

2) M•š›

/ 1 CTB1245C-00



‰ 3 -

3) lvtu

3-2

‰ 3 -

4) ÷ ø ù ú b ‘

Global Warming Potential GWP

CO_2 CH_4 N_2O

1			/	
			/	
			/	
			/	
2			/	
3		/	/	
4		/	/	
5		/	/	

4 ³U Î Ï

4.1 ³U Î Ï @ »

2025 5 19

2024 1 1 ~2024 12 31

CPCD

= 4 - 1 ³U

! " ³ U	Ù ½ ” ë y	Ô • k l
	BOM	BOM

2. Ð¹ºUÎÏÑÒÓ]³U¸

=4 - 2 N ³UÎÏ=eš›M•š›]N ³Uf

ç q		š	Ûš	š4	š›	YZ[\	û mn/mn e	š›	³U¸/mn elï
			1	—	—	—	—	—	—
		1	- Q235B	2971.27	kg/	CO_2	2.63E+00	$kgCO_2/kg$	CPCD
		2	-20#	331.15	kg/	CO_2	2.63E+00	$kgCO_2/kg$	CPCD
		3	-45#	112.38	kg/	CO_2	2.43E+00	$kgCO_2/kg$	CPCD
		4	- Q355B	286.97	kg/	CO_2	2.63E+00	$kgCO_2/kg$	CPCD
		5	-201	1770.83	kg/	CO_2	6.80E+00	$kgCO_2/kg$	CPCD
		6	-304	1.7	kg/	CO_2	6.80E+00	$kgCO_2/kg$	CPCD
		7		45.51	kg/	CO_2	3.08E+00	$kgCO_2/kg$	CPCD
		8	6	0.41	kg/	CO_2	4.10E+00	$kgCO_2/kg$	CPCD
		9		0.01	kg/	CO_2	2.32E+00	$kgCO_2/kg$	CPCD
		10		63.5	kg/	CO_2	2.05E+00	$kgCO_2/kg$	CPCD
		11	-201	37.25	kg/	CO_2	6.80E+00	$kgCO_2/kg$	CPCD
		12	-304	0.25	kg/	CO_2	6.80E+00	$kgCO_2/kg$	CPCD
		13	40Cr	174.75	kg/	CO_2	2.05E+00	$kgCO_2/kg$	CPCD
		14	65Mn	0.44	kg/	CO_2	2.43E+00	$kgCO_2/kg$	CPCD
		15	BL2	0.0013	kg/	CO_2	2.15E+00	$kgCO_2/kg$	CPCD

		16	ZG	118.43	kg/	CO_2	2.04E+00	$kgCO_2/kg$	CPCD
		17	ZL	103.9	kg/	CO_2	1.64E+01	$kgCO_2/kg$	CPCD
		18		11.6	kg/	CO_2	9.00E-02	$kgCO_2/kg$	CPCD
		19		1.02	kg/	CO_2	3.08E+00	$kgCO_2/kg$	CPCD
		20		0.0004	kg/	CO_2	1.43E+01	$kgCO_2/kg$	CPCD
		21		2.1	kg/	CO_2	4.10E+00	$kgCO_2/kg$	CPCD
		22	Y30BH	2853.08	kg/	CO_2	1.20E-01	$kgCO_2/kg$	CPCD
		23		16.36	kg/	CO_2	1.05E+00	$kgCO_2/kg$	Ecoinvent3.1
		24		43.77	kg/	CO_2	8.71E-01	$kgCO_2/kg$	Ecoinvent3.1
		25		20.76	kg/	CO_2	1.21E+00	$kgCO_2/kg$	Ecoinvent3.1
		26		0.07	kg/	CO_2	4.18E-01	$kgCO_2/kg$	Ecoinvent3.1
		27		4.67	kg/	CO_2	5.53E-02	$kgCO_2/kg$	CPCD
		28		13.45	kg/	CO_2	6.51E-01	$kgCO_2/kg$	CPCD
		29		4092.75	kWh/	CO_2	6.21E-01	$kgCO_2/KWh$	2023
		30		13.45	kg/	CO_2	3.10E+00	$kgCO_2/kg$	
		31		13.45	kg/	CH_4	4.70E-03	$kgCO_2/kg$	IPCC
		32		13.45	kg/	N_2O	4.60E-02	$kgCO_2/kg$	IPCC

0235

= 4 - 3 í î ³ U Î Ï =

2 # ¹ o	š	x ë y P Q

		2022

	18			11.6		246	km	5.70E-05	CPCD
	19			1.02		5	km	4.20E-05	2022
	20			0.0004		55	km	4.20E-05	2022
	21			2.1		330	km	4.20E-05	2022
	22	Y30BH		2853.08		830	km	5.70E-05	CPCD
	23			16.36		6	km	8.30E-05	2022
	24			43.77		6	km	8.30E-05	2022
	25			20.76		6	km	8.30E-05	

5 ³U Ô •

5 Ô •

$$= \sum \quad = \sum \times$$

EP_C —

EP_i — i

Q_i — i

EF_i — i

3. Ô • , •

3 1 = _ ë y ð ´ • , m n Û š

= 5 - 1 N

š	P Q	! " e g Q 2 d f	Õ Ö
1	-Q235B	7814.44	28.11%
2	-20#	870.92	3.13%
3	-45#	273.08	0.98%
4	-Q355B	754.73	2.71%
5	-201	12041.64	43.31%
6	-304	11.56	0.04%
7		140.17	0.50%
8	6	1.68	0.01%
9		0.02	0.00%
10		130.18	0.47%
11	-201	253.30	0.91%
12	-304	1.70	0.01%
13	40Cr	358.24	1.29%
14	65Mn	1.07	0.00%
15	BL2	0.003	0.00%
16	ZG	241.60	0.87%
17	ZL	1701.88	6.12%

š	P Q	! " eg $_2$ f	Õ Ö
18		1.04	0.00%
19		3.14	0.01%
20		0.01	0.00%
21		8.61	0.03%
22	Y30BH	342.14	1.23%
23		17.18	0.06%
24		38.12	0.14%
25		25.12	0.09%
26		0.03	0.00%
27		0.26	0.00%
		25031.87	90.03%

32.N ¹ º m n Û š

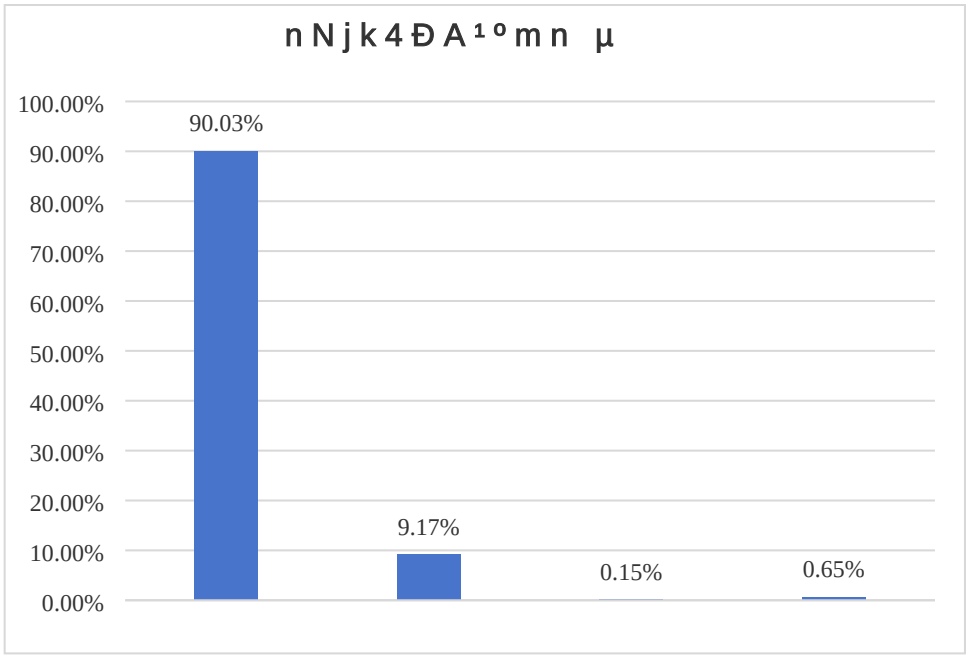
= 5 - 2

š	P Q	! " eg $_2$ f	Õ Ö
1		2539.55	9.13%
2		8.75	0.03%
		64.01	9.17%

33= _ ë y í î ¹ º m n Û š

= 5 - 3 N ¹

		kgCO_2e	
1	-Q235B	2.96E+01	0.11%
2	-20#	2.64E+00	0.01%
3	-45#	3.46E-01	0.00%
4	-Q355B	2.91E+00	0.01%
5	-201	6.56E+00	0.02%
6	-304	5.61E-02	0.0002%
7		6.17E-01	0.002%
8	6	5.56E-03	0.0000%
9		2.10E-06	0.0000%
10		2.32E-01	0.0008%
11	-201	9.53E-01	0.0034%



‰ 5 - 1 nNj

5-1 1 CTB1245C-00

90.03% 9.17%

6 ÕŽªÖ×

±2% ±3% ±3%

±2%

±4%

CTB1245C-00

±2%

±3%

±4%

n

$= \sqrt{(\quad 1 \times \quad 1)}$

1

2

7 #$,•

1 CTB1245C-00 27.80tCO_2e/

90.03%

9.17%

Ø · Ù Ú ” Á · Û š

1	
2	
3	
4	
5	
6	
7	CTB1245C-00 BOM
8	2024 -
9	