2025JNSD00053

CTB1245C-00

2025 05 27

	6999		
			13455657893
	6999		
	6999		
	ISO 14067:2018 PAS 2050:2011		
	CTB1245C-00		
	2024 1 1 -2024 12 31		

“CCSC”

“ ”

2024 1 1 -2024 12 31 CTB1245C-00

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ISO14067:2018

PAS 2050:2011

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		tCO_2e/
CTB1245C-00	1	27.80

					2025/05/20
					2025/05/27

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- -

ISO 14067-2018

PAS 2050:2011

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“ ”

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1) ISO 14067:2018

2) PAS 2050:2011

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1.6.

CPCD Ecoinvent3.1 2006 IPCC IPCC 2006 2019

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2.1.1.

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3) GHG
4)
5) GHG
6)
7)

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2.2.2.

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2025.5.11	
2025.5.19	
2025.5.20	

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2025 5 19

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		/	
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)		

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1993 831387

27 1.1 8 800

EPC+O&M 30

“ ”“ ”“ ”

6 2.5

EPC 2022

5 2 2023

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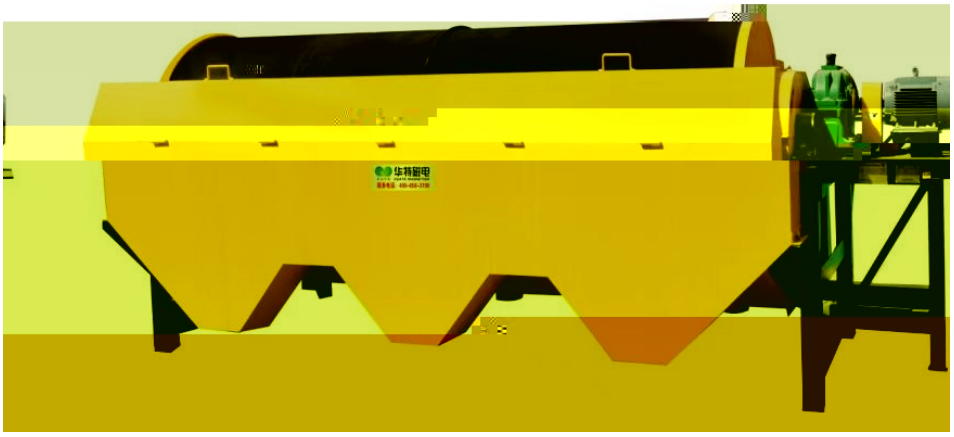


3-2

3)

3-2

3-3

4)

Global Warming Potential GWP

CO_2 CH_4 N_2O

HFCs PFCs SF_6

NF_3 7

IPCC

100

CO_2 CO_2e 3-1

3-1 GWP

GWP	kg CO_2e	CO_2	1
		CH_4	27.9
		N_2O	273

e equivalent

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

4.

4.1.

2025 5 19

2024 1 1 ~2024 12 31

CPCD

4-1

	BOM	BOM

4.2.

4-2

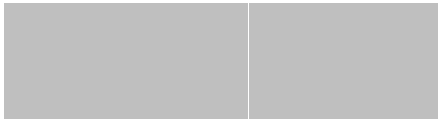
							/		/
			1	—	—	—	—	—	—
		1	- Q235B	2971.27	kg/	CO_2	2.63E+00	$kgCO_2/kg$	CPCD
		2	-20#	331.15	kg/	CO_2	2.63E+00	$kgCO_2/kg$	CPCD
		3	-45#	112.38	kg/	CO_2	2.43E+00	$kgCO_2/kg$	CPCD
		4	- Q355B	286.97	kg/	CO_2	2.63E+00	$kgCO_2/kg$	CPCD
		5	-201	1770.83	kg/	CO_2	6.80E+00	$kgCO_2/kg$	CPCD
		6	-304	1.7	kg/	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	电力	4092.75	kWh/台	CO_2	6.21E-01	$kgCO_2/KWh$	生态环境部《关于发布2023年电力碳足迹因子数据的公告》电力碳足迹因子
		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

CPCD Ecoinvent3.1 2023

CPCD

4-3



									2022
	9			0.01		5	km	4.20E-05	2022
	10			63.5		64	km	5.70E-05	CPCD
	11	-201		37.25		449	km	5.70E-05	CPCD
	12	-304		0.25		134	km	5.70E-05	CPCD
	13	40Cr		174.75		57	km	5.70E-05	CPCD
	14	65Mn		0.44		64	km	5.70E-05	CPCD
	15	BL2		0.0013		64	km	5.70E-05	CPCD
	16	ZG		118.43		46	km	5.70E-05	CPCD
	17	ZL		103.9		62	km	5.70E-05	CPCD

	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	

									2022
	26			0.07		6	km	8.30E-05	2022
	27			4.67		50	km	8.30E-05	2022

5.

5.1.

$$\sum \quad \sum$$

EP_C—

EP_i— i

Q_i— i

EF_i— i

5.2.

5.2.1.

5-1

		kgCO_2e	
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%

		$kgCO_2e$	
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%

5.2.2.

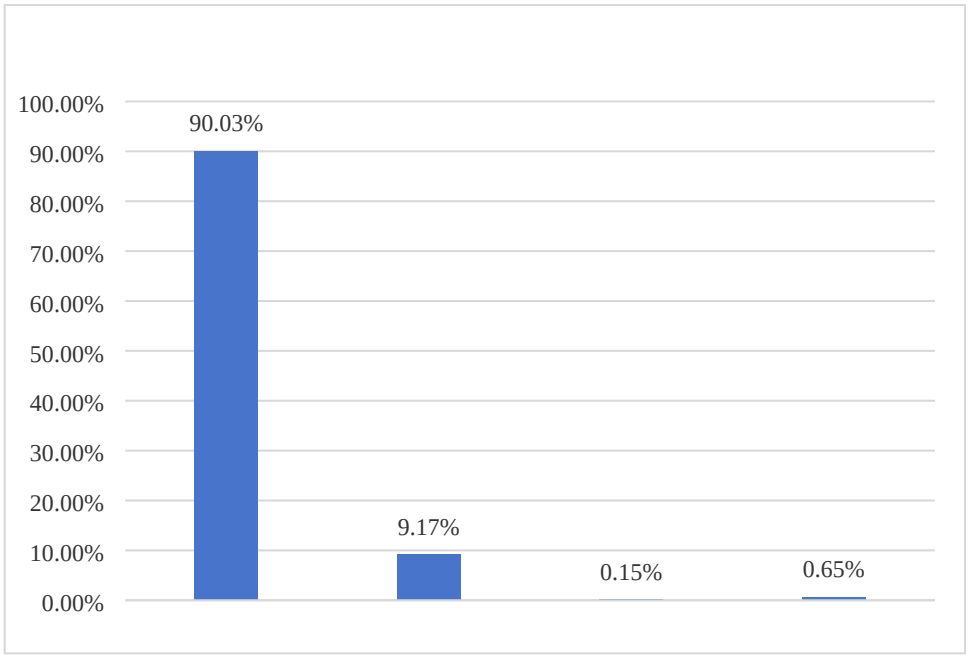
5-2

		$kgCO_2e$	
1		2539.55	9.13%
2		8.75	0.03%
		64.01	9.17%

5.2.3.

5-3

		$kgCO_2e$	
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

5-1 1 CTB1245C-00

90.03% 9.17%

6.

±2% ±3% ±3%

±2%

±4%

CTB1245C-00

±2%

±3%

±4%

n

$$\sqrt{\qquad\qquad\qquad\qquad\qquad\qquad\qquad\qquad\qquad\qquad}$$

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7.

1 CTB1245C-00 27.80tCO_2e/

90.03%

9.17%

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4	
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7	CTB1245C-00 BOM
8	2024 -
9	