

ICS
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GB 18484—2020

GB 18484—2001

Standard for pollution control on hazardous waste incineration

2020- 11- 26

2021- 07- 01

		11.....
1		1.....
2		1.....
3		2.....
4		6.....
5		6.....
6		8.....
7		9.....
8		10.....
9		12.....
A	PCDD _s /PCDF _s	13..

1999 2001

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1 24

A

2020 11 26

2021 7 1

GB

184842001

1

2

GB 8978

GB 12348

GB 14554

GB 16297

GB 18597

GB 37822

GB/T 16157

HJ/T 20

HJ/T 27

HJ/T 42

HJ/T 43

HJ/T 44

HJ/T 55

HJ/T 56

HJ 57

HJ/T 63.1

HJ/T 63.2

HJ/T 63.3

HJ/T 64.1

HJ/T 64.2			
HJ/T 64.3		-	
HJ/T 65			
HJ 75	SO ₂	NO _x	
HJ 77.2			-
HJ 91.1			
HJ 212			
HJ/T 365			
HJ/T 397			
HJ 540			
HJ 543			
HJ 548			
HJ 549			
HJ 561			
HJ 604			-
HJ 629			
HJ 657			
HJ 685			
HJ 688			
HJ 692			
HJ 693			
HJ 819			
HJ 836			
HJ 916			
HJ 973			
HJ 1012			
HJ 1024			
HJ 2025			

39

28

10

3.1

hazardous waste

3.2

incineration

3.3

incineration facility

3.4

incineration capacity

3.5

incineration residues

3.6

loss on ignition

$$P = \frac{(A - B)}{A} \times 100\% \dots\dots\dots 1$$

P— %

A— 105±25 1 h g

B— 600±25 3 h g

3.7

high temperature section of incinerator

1100

3.8

flue gas residence time

1100

3.9

temperature of high temperature section of incinerator

5
5
3.10 combustion efficiency CE

$$CE = \frac{C_{CO_2}}{C_{CO_2} + C_{CO}} \times 100\% \dots\dots\dots 2$$

C_{CO_2} — CO₂
 C_{CO} — CO

3.11 destruction removal efficiency DRE

$$DRE = \frac{(W_i - W_o)}{W_i} \times 100\% \dots\dots\dots 3$$

W_i — kg/h
 W_o — kg/h

3.12 dibenzop-dioxins and dibenzofurans
- - PCDD_s PCDF_s

3.13 toxic equivalency factor TEF
2,3,7,8- - - Ah
A

3.14 toxic equivalent quantity TEQ

$$TEQ = \sum (\dots\dots\dots \times TEF) \dots\dots\dots 4$$

TEQ —
TEF —

3.15

standard conditions

273.15 K 101.325 kPa

3.16

average value

6~12

3

0.5~8

3

3.17

1

1-hour average value

1

1

3~4

3.18

24

24-hour average value

24

1

20

3.19

daily average value

CEMS

1

5

$$\overline{C_{Qd}} = \frac{\sum_{h=1}^m \overline{C_{Qh}}}{m} \dots\dots\dots 5$$

$\overline{C_{Qd}}$ —CEMS d

mg/m³

$\overline{C_{Qh}}$ —CEMS h

1

mg/m³

m—CEMS

m 20

3.20

emission concentration at baseline oxygen content

11% O₂

6

$$\rho = \frac{\rho'(21-11)}{\varphi_0(O_2) - \varphi'(O_2)} \dots\dots\dots$$

ρ' —		mg/m ³	
$\varphi_0(\text{O}_2)$ —	%		21
$\varphi'(\text{O}_2)$ —	%		

3.21

existing incineration facility

3.22

new incineration facility

4

4.1

4.2

4.3

5

5.1

5.1.1 GB 18597

5.1.2

5.2

5.2.1

5.2.2

5.2.3

GB 18597

5.3

5.3.1

5.3.1.1

5.3.1.2

5.3.1.3

HJ 561

5.3.2

5.3.2.1

5.3.2.2

5.3.2.3

5.3.3

5.3.3.1

1

1

		s		mg/m ³				
	1100	2.0	6~15%	1	24	99.9%	99.99%	5%
				100	80			

5.3.3.2

1

1

5.3.4

5.3.4.1

5.3.4.2

5.3.5

5.3.5.1

2

GB/T 16157

2

kg/h	m
300	25
300~2000	35
2000~2500	45
2500	50

5.3.5.2 200

5

5.3.5.3

6

6.1

6.4 6.5 6.6 6.7

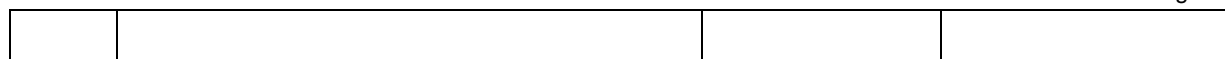
6.2 2021 12 31 GB 184842001 3

2022 1 1 3

6.3 6.2 3

3

mg/m³



1

13	Sn+Sb+Cu+Mn+Ni+Co	2.0	
14	ngTEQ/Nm ³	0.5	

6.4

GB 16297 GB 14554

GB 37822 VOCs

GB 37822

6.5

6.6

GB 8978

6.7

GB 12348

7

7.1

7.1.1

HJ 2025

7.1.2

7.1.3

7.1.4

7.1.5

7.2

7.2.1

1

6

7.2.2

1

7.2.3

7.2.2

60

7.2.4 7.2.1 7.2.2 7.2.3

1

150 mgm³

7.2.5

5

1100

8

8.1

8.1.1

HJ 819

8.1.2

8.1.3

8.2

8.2.1

GB/T 16157 HJ 916 HJ/T 397 HJ/T 365

HJ75

8.2.2

1

2

3

8.2.3

4

4

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1

2

3

5	HF		HJ688
6	HCl		HJ/T 27
			HJ548
			HJ549
7			HJ 543
8			HJ/T 64.1
			HJ/T 642
		-	HJ/T 64.3
			HJ657
9			HJ685
			HJ657
10			HJ 540
			HJ657
11			HJ657
12			HJ/T 65
			HJ657
13			HJ657
14			HJ/T 63.1
			HJ/T 63.2
		-	HJ/T 63.3
			HJ657
15			HJ 77.2
			HJ 916
16			HJ/T 55
		-	HJ 604
			HJ 1012

8.2.4

1

A

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PCDD_s/PCDF_s

A

PCDD_s/PCDF_s

A PCDD_s/PCDF_s

		WHO-TEF 1998	WHO-TEF 2005	I-TEF
PCDD _s ^(a)	2,3,7,8-T ₄ CDD	1	1	1
	1,2,3,7,8-P ₅ CDD	1	1	0.5
	1,2,3,4,7,8-H ₆ CDD	0.1	0.1	0.1
	1,2,3,6,7,8-H ₆ CDD	0.1	0.1	0.1
	1,2,3,7,8,9-H ₆ CDD	0.1	0.1	0.1