



中华人民共和国国家标准

GB

20

Standard for pollution control on medical waste treatment and disposal

生态环境部
国家市场监督管理总局

	.....	I
1	.....	1
2	.....	1
3	.....	3
4	.....	6
5	.....	6
6	.....	8
7	.....	9
8	.....	10
9	.....	12
A	PCDD/F _s	13
B	.....	14

A B

()

20

2021 1 1

2022 1 1

1

2

GB 8978

GB 12348

GB 14554

GB 16297

GB 16889

GB 18466

GB 18484

GB 18485

GB 18597

GB 19217

GB 37822

GB/T 14675

GB/T 16157

GB/T 18883

HJ 57

HJ 75

SO₂ NO_x

HJ 77.2

-

HJ 421

HJ 540

HJ 543

HJ 548

HJ 549

2003 287

2002 282

3

3.1

medical waste

3.2

disinfection treatment

3.3

incineration

3.4

standard conditions

273.15 K 101.325 kPa

3.5

disposal

3.6

autoclave disinfection

3.7

chemical disinfection

3.8

microwave disinfection

3.9

dry heat disinfection

3.10

incinerator

3.11

disinfection treatment facility

3.12

transfer container/barrel

3.13

incineration slag

3.14

incineration fly ash

3.15

disinfection treatment residue

3.16

flue gas residence time

3.17

temperature of incinerator

3.18

loss on ignition

3.19

dibenzo-p-dioxins and dibenzofurans

- - -

3.25

killing log value

4

4.1

4.2

5

5.1

5.1.1

5.1.2

GB 18485

GB 16889

5.2

5.2.1

5.2.2

5.2.3

GB 19217

5.2.4

5.3

5.3.1

5.3.2

5.3.3

24 h

5

72 h

144 h

5.4

5.4.1

1

1

)		
	11.0-12.5	88-95%	0.075kg	/kg pH
	/kg		8g/L-10 g/L	0.05kg
	/kg		8g/L-10 g/L	0.05kg
	/kg		4g/L-6g/L	0.04kg
			2g/L	
			1g/L;	
		915MHz±25 MHz	2450MHz±50 MHz	95
			2450MHz±50 MHz	
)		

5.4.2

B

4

5.4.3

5.4.4

5.5

5.5.1

2

2

()	(s)	()	(mg/m ³)	
		6-10%	1	24

5.5.2

5.5.3

GB/T 16157

6

6.1

3

3

1	TVOC	20 mg/m ³
2		GB 14554
3		GB 16297

6.2 2021 12 31

GB 18484

6.3 2022 1 1

4

4

1	(mg/m ³)	30	1
		20	24
2	(mg/m ³)	100	1
		80	24
3	(NO ₂ mg/m ³)	400	1
		300	24
4	(mg/m ³)	200	1
		100	24
5	(mg/m ³)	4.0	1
		2.0	24

6	(mg/m ³)	60	1
		50	24
7	(, mg/m ³)	0.05	
8	(, mg/m ³)	0.05	
9	(, mg/m ³)	0.05	
10	(, mg/m ³)	0.5	
11	(, mg/m ³)	0.5	
12	(+ + + + + mg/m ³)	2.0	
13	(ng TEQ/m ³)	0.5	

6.4

GB 8978

GB 18466

6.5

GB 37822

6.6

GB 12348

7

7.1

7.2

7.2.1

7.2.2

2

2

4 h

7.2.3

2

7.2.4

7.2.3

4 h

60 h

7.2.5

7.2.2 7.2.3 7.2.4

1

150 mg/m³

7.3

8

8.1

8.1.1

8.1.2

8.2

8.2.1

GB/T 16157 HJ/T 397 HJ/T 365 HJ 75

8.2.2

1

4			HJ/T 56
			HJ 57
			HJ 629
5			HJ/T 67
			HJ 688
6			HJ/T 27
			HJ 548
			HJ 549
7			HJ 543
8			HJ/T 64.1
			HJ/T 64.2
		-	HJ/T 64.3
			HJ 657
9			HJ 685
			HJ 657
10			HJ 540
			HJ 657
11			HJ/T 29
			HJ 657
12			HJ/T 65
			HJ 657
13			HJ 657
14			HJ/T 63.1
			HJ/T 63.2
		-	HJ/T 63.3
			HJ 657
15		-	HJ 77.2

16	TVOC		GB/T 18883
17			GB/T 14675

8.3

8.3.1

GB 8978

8.3.2

GB 18466

8.4

8.4.1

1

8.4.2

HJ/T 20

8.4.3

HJ 1024

8.5

8.5.1

1

8.5.2

B

9

9.1

9.2

7.2.2 7.2.3 7.2.4

A

A.1 PCDD/Fs

PCDDs ¹	TEF	PCDFs ²	TEF
2,3,7,8-TCDD	1	2,3,7,8-TCDF	0.1
1,2,3,7,8-PeCDD	0.5	1,2,3,7,8-PeCDF	0.05
1,2,3,4,7,8-HxCDD	0.1	2,3,4,7,8-PeCDF	0.5
1,2,3,6,7,8-HxCDD	0.1	1,2,3,4,7,8-HxCDF	0.1
1,2,3,7,8,9-HxCDD	0.1	1,2,3,6,7,8-HxCDF	0.1
1,2,3,4,6,7,8-HpCDD	0.01	1,2,3,7,8,9-HxCDF	0.1
OCDD	0.001	2,3,4,6,7,8-HxCDF	0.1
		1,2,3,4,6,7,8-HpCDF	0.01
		1,2,3,4,7,8,9-HpCDF	0.01
		OCDF	0.001
1	- -	2	

B

B.1

B.1.1

B.s

tearothermophilus ATCC 7953

 $5 \times 10^5 - 5 \times 10^6$ cfu/

B.1.2

B.1.2.1

B.1.2.2

B.1.2.3

56

48h

3

B.1.3

B.2

B.2.1

B.2.1.1

B.subtilis var.niger ATCC 9372

B.2.1.2

B.2.1.3

B.2.1.4

B.2.1.5

B.2.1.6

2cm

4mm

B.2.1.7

5

95%

B.2.1.8

B.2.1.9

B.2.2

B.2.2.1

B.subtilis var.niger ATCC 9372

B.subtilis var.niger ATCC 9372

B.2.2.2

a

(TSB)

10^8 - 10^{10} cfu/mL TSB

b

5min

37

5×10^5 -5

$\times 10^6$ cfu

B.2.3

B.2.4

B.2.4.1

a

b

1g-2g

20mL

10min

200

10

1mL

B.2.4.2

3

B.2.4.3

B.2.5

A×B×C /D						
A	B	C	mL	D		
	KL =No Nx					g
No		Nx				

B.2.6

3 $5 \times 10^5 - 5 \times 10^6$ cfu/g 4.00

B.3

B.3.1

B.3.1.1

B.subtilis var.niger ATCC 9372

B.stearothermophilus ATCC 7953

B.3.1.2 10mm×10mm

B.3.1.3

B.3.1.4

B.3.1.5

B.3.1.6

B.3.2

B.subtilis var.niger ATCC 9372

B.stearothermophilus ATCC 7953

B.3.3

B.3.3.1

B.subtilis var.niger ATCC 9372

B.

stearothermophilus ATCC 7953

4

B.3.3.2

B.3.3.3

5mL

200

10

1mL

B.3.3.4

2

5.0mL

2

200

1mL

15mL-20mL

37

48h

3

B.3.4

cfu/

N

KL No Nx

No

Nx

B.3.5

3

 $5 \times 10^5 - 5 \times 10^6$ cfu/

4.00

B.4

B.4.1

B.subtilis var.niger ATCC 9372

B.4.2

B.4.3

B.subtilis var.

niger ATCC 9372

 $5 \times 10^5 - 5 \times 10^6$ cfu/

B.4.4

B.4.4.1

B.4.4.2

56

48h

3

B.4.5

B.4.6

10%

B.4.7

3

$5 \times 10^5 - 5 \times 10^6$ cfu/g