

GB/T 18801-2008

GB/T 18001-2002

GB/T 18801-2002

GB/T 18801-2002

GB/T 18801-2002

3.4

3.5

3. 10

5.6. 2.1

5.6. 2.2

5.6. 2.3

6. 2.1 6.2.2 6.2.3

6.8.2 6.8.3 6.8.4

A

B

C

(SAC/TC 46)

2002 9

GB/T 18801-2002

1

220 V

380 V

—
—
—
—
—

2

GB/T 191

(GB/T 191-2008 ISO 780:1997 MOD)

GB/T 1019

GB/T 2828.1

1

(AQL)

(GB/T 2828.1-2003, ISO 2859-1:2003, IDT)

GB/T 2829

(IEC 60704-1: 1997, EDV)

GB 4706.45

(GB 4706.45-1999

IEC 60335-2-65: 2005, IDT)

GB 5296.2

2

GB/T 13306

GB/T 18883-2002

3

3.1

air cleaner

3.2

multi function air cleaner

3.3

clean air delivery rate

(CADR) Q

(m³/h 11:1)

3.4

efficiency of clean

(m³/h V)

3.5

total efficiency of clean

(m³/h V)

3.6

natural decay

3.7

total decay

3.8

cleaning life span

50

%

3.9

test chamber

A

3.10

air pollutants

4

4. 1

a) G-

b) X-

c) L_-

5. 1

5. 2

5. 3

90%

5. 4

90%

5. 5

1

1	(CADR) / (n³/h)	/dB(A)
150		55
150<Q 400		60
>400		65
CADR		

5. 6

5. 6. 1

(1)

$$\eta = \frac{Q}{W}$$

..... (1)

$$\begin{aligned} & [n^3/h(h \cdot V)] \\ Q & (rn^3/h) \\ W & (V) \end{aligned}$$

5. 6. 2

A B C D4

2 3 4

5. 6. 2. 1

2

2

1	
	(n) / [n³/(h · V)]
A	n 2.00

B	1. $50 < n < 2.00$
C	1. $00 < n < 1.50$
D	0. $50 < n < 1.00$

5. 6. 2. 2

3

3		
	(n)	[$n\lambda/h(h - \nu)$]
A	n 0.80	
B	0. $60 < n < 0.80$	
C	0. $40 < n < 0.60$	
D	0. $20 < n < 0.40$	

5. 6. 2. 3

4

4

4

1		
	n	/[$n\lambda/(h - \nu)$]
A	n 1.60	
B	1. $20 < n < 1.60$	
C	0. $80 < n < 1.20$	
D	0. $40 < n < 0.80$	

5. 6. 3

5. 6. 3. 1

2 3

D

5. 6. 3. 2

2 3 D

4 D

6

6. 1

- a) (25 2)
 b) (50 ± 10) %

6. 2

6. 2. 1

0. 5

1. 0

6. 2. 2 0. 5

6. 2. 3 0. 5%

6. 3

5. 1

6. 4

0. 3pm

6. 4. 1 6. 4. 2

6. 4. 1

a)

A

b)

0. 5m

0. 5m-1. 5m

1

c)

0. 3um

d)

e)

[6. 4. 1d]

[6. 4. 1f]

10min

f)

0. 3um

2x 106 /L

co(t=0 min)

g)

co(t=0 min)

2min

20min

9

2

h)

i)

B

j)

B

R2

R2 0. 98

6. 4. 2

a) 6. 4. 1 a) 6. 4. 1 e)

b)

0. 3um

2x 106 /L

co(t=0 min)

c)

c (t=0 min)

2min

9

2

d)

e)

B

f)

B

R2

Rz 0. 98

6. 4. 3

(2)

$$Q = 60 \times (k_e - k_u) \times V$$

..... (2)

Q

(m³/h)

— —

— —

V-

(m³)

6. 5

6.4.1 6.4.2

6.5.1

a)

A

b)

0.5m

0.5m 1.5m

1

c)

d)

e)

[6.4.1f]

10min

f)

t=0

c0

5L

5min

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8 12

g)

10min 1

60min

h)

i) GB/T 18883-2002

j)

B

k)

B

R2 R2 0.98

6.5.2

a) 6.5.1a 6.5.1e

b)

(t=0) co

5L 5min

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8 12

c)

10min 1

60min

d)

e) GB/T 18883-2002

f) B

g)

B R2 Rz 0.98

6.5.3

(2)

6.6

6.6.1

A

6.6.2 6.4 6.5

6.6.3

GB/T 18883

100

10%

6.6.4 t=0
 6.4 6.5
 50%
 6.6.5
 6.6.6 B 5.4
 6.7 5.2
 6.8
 6.8.1
 GB/T 4214. 1- 2000
 6.8.2 GB/T 4214. 1- 2000 6
 6.8.3 GB/T 4214. 1- 2000 7
 6.8.4 GB/T 4214. 1- 2000 8
 7
 7.1
 7.2
 7.2.1 5 2 3 4
 5
 7.2.2 GB/T 2828. 1

5				
1	a	A	GB 4706. 45	GB 4706. 45
2		A	8.1 8.2	
3		B	8.3 8.3	
4		c	5.1	
5		A	5.2	6.7
6		A	5.3	6.4 6.5
7		B	5.4	6.6
8		B	5.5	6.8
9		B	5.6	6.4 6.5
a GB 4706. 45				

7.3
 7.3.1
 a) 1
 b)
 c)
 d)
 7.3.2 GB 4706. 45 5
 7.3.3 GB/T 2829 2
 1 3 | 1
 6

		A	B	C
		30	65	100
	Ac	0	1	2
	Re	1	2	3

7. 4

8

8. 1

GB/T 13306 GB 4706 45

a)

b)

c)

d)

8. 2

GB/T 191 GB 1019

8. 3

8. 4

GB 4706 45 GB 5296. 2

8. 5

8. 6

A

A 1

A. 1. 8 A. 1. 9 A. 1. 10

A 1. 1

3. 5mm 3. 4mm 2. 5mm=30mm

A 1. 2

76mm 44mm

A 1. 3

5mm

A 1. 4

0. 8mm

A 1. 5

A 1. 6

A 1. 7

1. 4 m

A 1.8

630 mm x 630 mm 2

99. 9%

1

60%

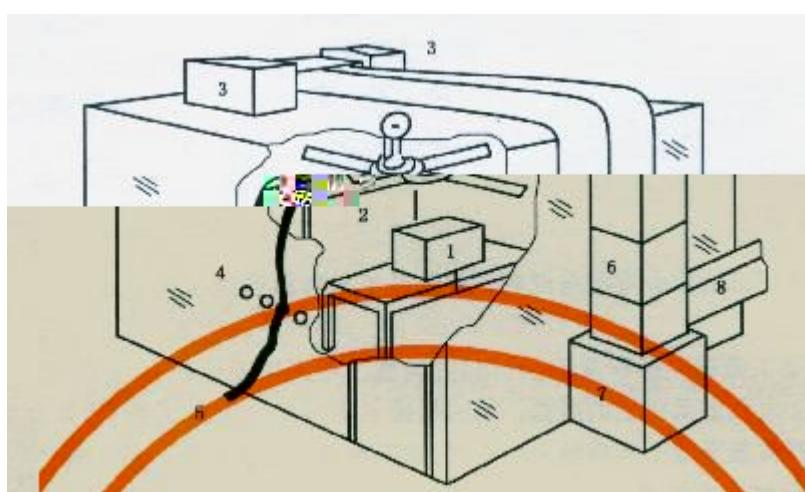
A 1.9

1 800 m³/h

A 1.10

0.05

A 2



1-

2-

3-

4-

5-

6-

7-

8-

A 1

A 3

A 4

B

B 1

1

2

B 2

B 2.1

(B 1)

Ct= C0e^{-kt}

..... (B 1)

$$\begin{array}{ll} q - f & (/L) \quad (\text{mg/mS}) \\ c --- t \cdot O & (/L) \quad (\text{mg/mS}) \\ --- & (m \cdot n-1) \\ ti --- & (m \cdot n) \end{array}$$

B 2.2

lnc ti t

(B 2)

$$-k = \frac{\left(\sum_i^n t_i \ln c_{t_i} \right) - \frac{1}{n} \left(\sum_i^n t_i \right) \left(\sum_i^n \ln c_{t_i} \right)}{\left(\sum_i^n t_i^2 \right) - \frac{1}{n} \left(\sum_i^n t_i \right)^2}$$

..... (B 2)

ti --- t

Lnc ti --- t

B 3

RZ

0.98 (B 2)

$$R^2 = \frac{\left(\sum_i^n x_i y_i \right)^2}{\left(\sum_i^n x_i^2 \right) \left(\sum_i^n y_i^2 \right)}$$

..... (B 3)

R2--

ti--

nct--

n-

$$\begin{aligned} \left(\sum_i^n x_i y_i \right)^2 &= \sum_i^n t_i \ln c_{t_i} - \frac{1}{n} \left(\sum_i^n x_i \right) \left(\sum_i^n y_i \right)^2 \\ \sum_i^n x_i^2 &= \sum_i^n t_i^2 - \frac{1}{n} \left(\sum_i^n t_i \right)^2 \\ \sum_i^n y_i^2 &= \sum_i^n \ln c_{t_i}^2 - \frac{1}{n} \left(\sum_i^n \ln c_{t_i} \right)^2 \end{aligned}$$

EXCEL

R2

B 4

(B 4)

Tm_xCaTa/Cs (B 4)

Tm (h)
Ca— (cpn) (ng/mS)
Cs--- (cpn) (ng/mS)
Ta-- (h)

C

C 1

C 1.1

C 1.2

C 1.3

C 2

C 5

C 3

C 3.1

C 3.1.1

3

C 3.1.2

C 3.2

C 3.2.1

C 3.2.2

C 4

C 4.1

C 4.1.1

C 4.1.2

C 4.1.3

C 4.1.4

C 4.1.5

C 4.1.6

C 5

C 4.2

C 4.2.1

C 4.1.1 C 4.1.2 C 4.1.3

C 4.2.2

C 4.2.3

C 4.2.4

C 5

C 5

C 5.1

C 5.2

C 5.3 5d

C 5.4 20d

C 5.5

5d