ICS . .
CCS C

GB

ώ ……

GB

ψ Ë Ã ’Ḥ ˝Ω ,ω ẇ Ẅ ₵ ʌ , Ë

ψ Љ Ã ’Ḥ ᴛ T Ẅ ʌ
Ɓ ǀ. ç Ѝ ǀ.

ɔ ˝Ω ψ X ệ X ψ ´ ˘ Ẹ X ,
ψ ,p Љ ψ ;´ ψ ,Ẹ (₵ ɲ ╤) Љ
ψ
GB/T 6680 ɱ ⅞ T ¨ ˝Ω
GB/T 6682 ǖ ʌ
GB/T 7376—2008 Γ ў X ǖ
GB/T 9722 ⅞ ’Ḥ ˝Ω
GB/T 13004 ˝
GB/T 13075 ˝
GB 16670 ɱ
GB/T 20702 ɱ ’Ḥ
GB 25972 ɱ ẇ ψ
GB/T 27550 Ẅ Ã ψ
XF 1203 ɱ ’Ḥ Ẅ
TSG 23 Ã

ɔ ˝Ω ʌ σ Љ ψ

.

perfluorohexanone
= Ï -2- نج -3-
: ǖ :$CF_3CF_2C(O)CF(CF_3)_2$;CAS ˜ :756-13-8

.

perfluorohexang ɹ - غ Œ -

.

extinguishing concentration

´ Ѵ̀ Ă Ẫ ,ئؤ ψ ɔ ̓Ḥ Ḥ

Ẫ ̓Ḥ ئؤ ɔ ɱ ,Ặ ɛ Š ɦ

ÿ 0 O Ł ˝ ˘ X ǔ ᵈ δ ϣ ˜ ´ Ą̈

Ã ě , Ã ǎ Љ 0 99 ÿ 0 O Ł ʐ - ÿ 0 O Ł

h) ⅞ :ǔ ;
i) : ´ GB/T 6682 ǔ ɔ ;
j) Ã : 0 002 0 mol/L

. .

ɔ
a) ⅞ Ẅ ǔ ئؤ X , ̈Ạ ʌ ⅞ Ã ̈Ḥ ʌ ʌ ⅞
ǔ ạ̇ ئؤ - 10 ± 2 Ḥ X
b) ˥ ɥ ɨ , Ẅ ǔ ,ɨ ڻ ~ ,
c) ǔ Љ - 10 ± 2 Ḥ X 10 min ~ ˈ Ȯ , ₵ ,
20 mL h ڻ ˈ 12 mL Ã ̈Ḥ , ầ ạ̃ ǔ X , ˈ
ầ ̈ ~ ˈ ầ ʌ ⅞ 60 0 g , 1 min , 1 min ~ ǔ , Ȯ
̈ ɛ ˈ щ ǔ ɛ ɲ ⊃ ầ 100 mL , Љ Ỳ X , ˈ
0 ± 2 ˈ ɥ d P_1
d) ɔ ̈Ḥ c)X ˈ N ,ǔ ạ̇ ˈ ɥ P_2 ʌ P_3
e) ˈ 60 0 g ʌ ⅞ ئؤ Ỳ X , 0 ± 2 ά ɥ δ P_0
f) ~ ʌ ⅞ X ầ δ 0 002 0 mol/L Ã , ɥ
ɔ ⅞ , ɥ ǔ ạ̇ δ P_1 P_2 ʌ P_3 Ã ɱ δ V_1 V_2 ʌ V_3

. .

Ắ (1) Ã ̈Ḥ :

$$S = \frac{c \times [V_1 - (V_2 + V_3)/2] \times M \times 1\,000}{m} \quad \ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots (1)$$

X :
S —— Ã ̈Ḥ ,ǂ ɥ δ Ẋ ꞓ Ẋ (mg/kg) ;
c —— Ã ,ǂ ɥ δ ǁ (mol/L) ;
V —— Ã ɱ ,ǂ ɥ δ ǁ (mL) ;
M —— ,ˈ 36 5 ,ǂ ɥ δ Ẋ (g/moL) ;
m —— ̈ ,ǂ ɥ δ Ẋ (g)
ˈ 3 ثي d δ ,˜ v ´ Љ 1 mg/kg

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. .

ɨ ڻ ɔ :
a) ꞉ : δ , 150 mL ;
b) : ɭ 99 , 1 ;
c) : ئؤ 110 ± 2 , 1 ;
d) :ǔ Ȯ 0 000 1 g

. .

꞉ ầ X ,110 ± 2 ɔ , ầ ڻ X ỹ ◗ ʌ ɭ ط ~ ,
0 1 mg

ˈ 100 g ˘ Љ ˥ X , Љ є , δ 60 ,ئؤ X ˥ ˥
Ȧ , Љ 110 ± 2 X ˈ 2 h , ȁ ڻ X ỹ ◗ ˥ ˩ ط ,ỏ
˥ , 0 1 mg

. .

Ǻ (2) ˥ ˜ W

$$W = \frac{m_2 - m_1}{m} \times 100\% \qquad \text{……} (2)$$

X :

W —— ˥ ˜ ;
m_1 —— ˥ ,˥ Ӈ δ Ẋ (g) ;
m_2 —— ˘ ⅞˜ ˥ ,˥ Ӈ δ Ẋ (g) ;
m —— ˘ ,˥ Ӈ δ Ẋ (g)

.

ɔ ˈ ɱ ˘ 10 mL Љ Ȧ ẹ ط ê , نحي ,щ ˜
˜

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. .

Ã Ã -2- ɲ -2- Ѱ Ẹ HF ˈ ˜ Ã -4- ɲ -2- ˜ ǔ ˜
δ Ȯ ♀

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1 Ã δ يم
ɔ ̈Ω ỷ υʰ , T˘ يم :
a) T˘ T˘ ♀ T ̈Ạ يم ;
b) T˘ ǎ ʐ T T ψ ˥ ɔ , ˘ ï T˘ ;
c) T˘ ̃A ˥ ɔ ⅞ ;
d) ϱ Tʰ Ѱ Ɔ є T ;
e) T˘ Ȯ يم ;
f) Ẹ ë يم T˘ ỷ

.

. . ˘ щ ₵ ˥ Ẃ X ˈ
. . ئؤ ˀ ط ψ ɔ , ˀ ʐ ˩ T T˘ δʰ , ˊ 40 t
, T Ã Ḥ 3 ˈʰ Ȯ ♀

₵ ╤Ẃ	1 ~ 10	11 ~ 49	50 ~ 64	65 ~ 81	82 ~ 101	≥ 102
	Ẫ	11	12	13	14	15

. . ﻳﻢ ̈ щ Ȯ ♀ ´ Т ̈ Х ˧

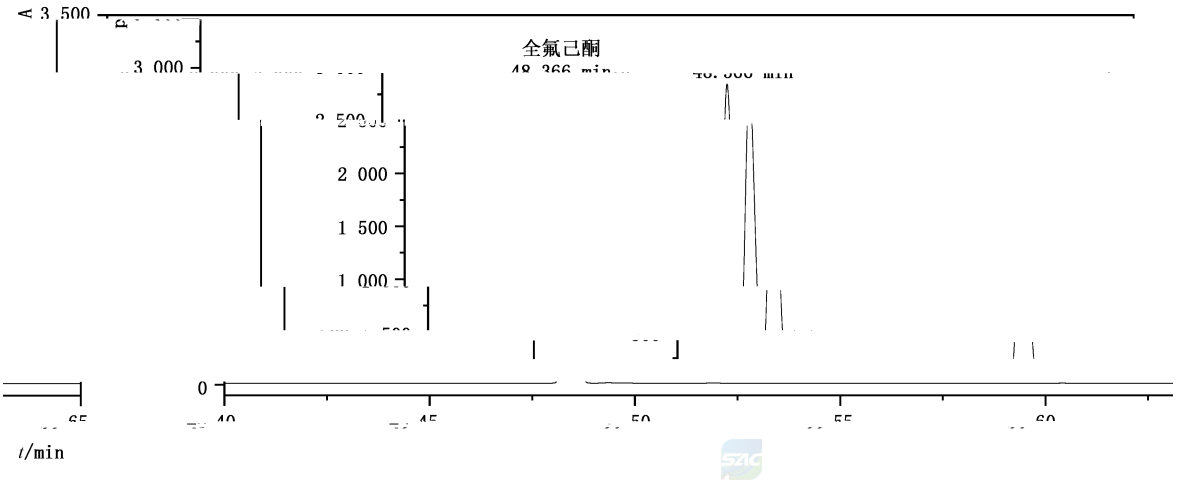
.

Ȯ ♀ ´ 4 , Ѵ̀ Ăʰ ´ ´ ψ , щ N я ₵ Х ˧

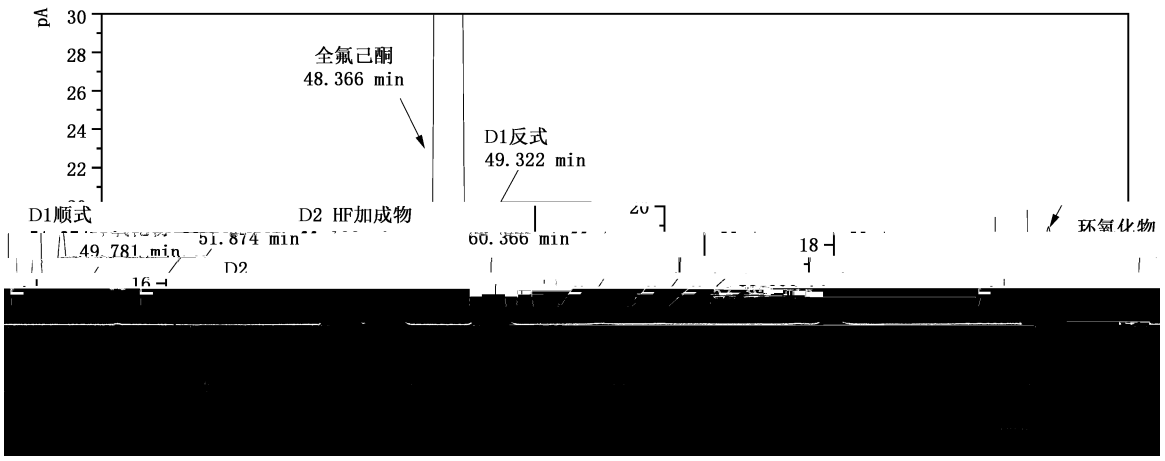
A

( )

Ã ʼḤ Ė ɑ ɑ A 1 ~ ɑ A 3



A .

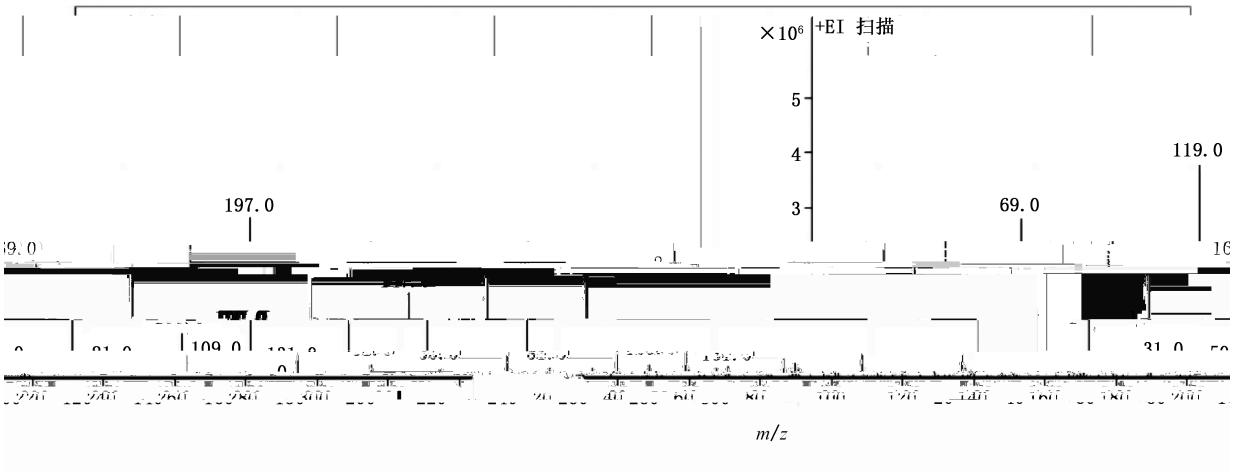


~ :

D1——Ã -4- ɔ -2- ;

D2——Ã -2- ɔ -2-

A .



A．

B

( )

B .

Ã ’Ḥ ⅞˜ ầ , ˜A ڻ , ή

B .

ɱ ه B 1 , ´ GB/T 20702

≥ 99%

, X ɱ ỹ δ (20 9 ± 0 5)%

B .

GB/T 20702 ɱ ’Ḥ

Ã ’Ḥ ầ , ⅞ , ' ’Ḥ ˝ ´ ᾠ

Ẅ ỹ ⅞

ɔ X ɔ ⅞ , Ắ (B 1) :

$$C = \left(1 - \frac{O_{2-}}{O_{2-}}\right) \times 100\% \qquad \text{……} \quad (B\ 1)$$

X :

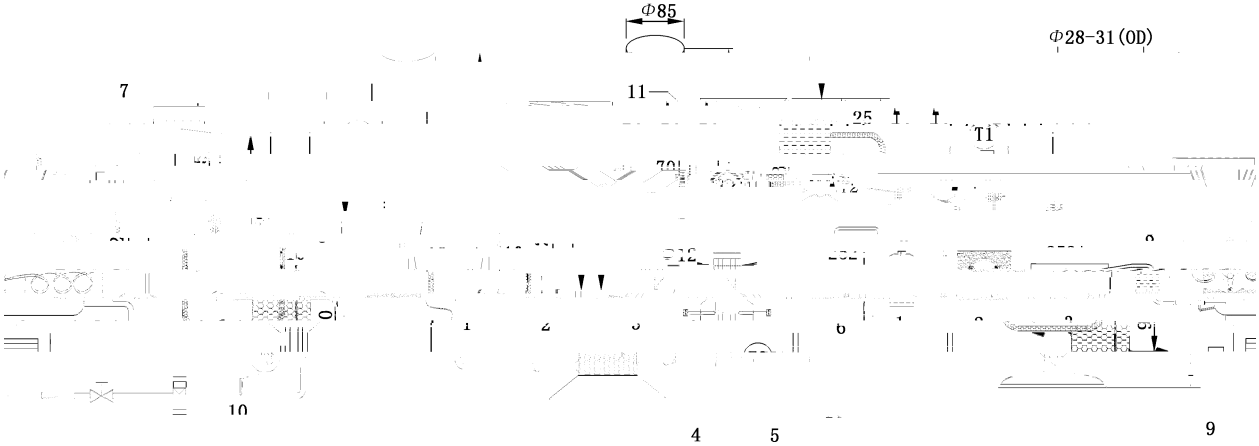
C —— Ã ’Ḥ Ḥ ;

O_{2-} —— ɔ X ;

O_{2-} —— X

’Ḥ ,ς ˘ Ắ (B 2) :

$$C = \frac{C_{ext}}{C_{ext} + C_{air}}$$



1—— Ã ;

2