ICS 97.200.20
CCS Y 58

Specification for green-desgin product assecssment-Electronic piano

GB/T 24040 GB/T 24044 G T 321

3.1

green-design
eco-design

[GB/T 32161 Ч3.2]

3.2

green-design products
eco-design products

[GB/T 32161 Ч3.3]

3.3

comprehensive energy consumption for unit output of product

(kgce/kg)

[GB/T 2589-2020 Ч

—— GB/T 19001 GB/T 23331 GB/T 24001 GB/T 28001

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—— QB/T 1477

5.1.2

—— QB/T 1477

—— GB 8898 GB/T 13837 GB 17625.1

—— GB/T 24256

5.1.3

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5.2

1

1

		GB/T 16288	
		GB/T 16716.1	
		≥85%	

7.2

7.2.1

7.2.2

7.2.2.1

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A

A.1

ϒ β ج ΰ ϒ 1 ṗ ϒ β ج GB/T 18820 Ț
5.1

A.2

≠ ض ṗ ج ą ≠ ´ ≠
غ ع U P ≠ ṿ E A.1

$$N = \frac{C}{C + Q} \times 100\% \quad \text{(A.1)}$$

Ț:

N —— ≠ ϒ β ч %

C ——ض ṗ ج ≠ ϒ β ч m³

Q —— ṗ ج ΰ ϒ β ч m³

A.3

A.3.1

A.1 ч o ʒ ṗ شخ ΐ o ʒ
A.1 Ț ϒ β / Đ A3.2.1 ي GB/T
2589 8 ч ‰

A.1 /

/ Đ O		/ قم	ϒ	ϒ β / Đ
Đ				
Đ				

A.3.2

A.3.2.1 / A.1

$$e_j = \frac{E_j}{M_j} \quad \text{(A.1)}$$

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e_j —— j / Đ ˧ β ջ ‰ kgce

E_j —— j / Đ ˧ β ‰ kgce

M_j —— ῥ / Đ ˧ β

A.3.2.2 (A.2) :

$$E = \sum_{i=1}^{n} (e_i \times k_i) \quad \text{(A.2)}$$

Ţ

E —— ˧ β ջ ˧ β ‰ kgce

n ——n ˧ / Đ

i —— i ˧ / Đ

e_i ——i / Đ ˧ β ˧ β ‰ kgce

k_i ——i / Đ ˧

B

B.1 B.1

B.1

	≤	
(DEHP) (DBP) (BBP)	≤0.1	GB/T 22048
(DINP) (DIDP) (DNOP)	≤0.1	

B.2 B.2

B.2

	≤	
a (BaP)	1	GB/T29784.3
16 (PAH)	10	

16 (PAH) B

B.4

ɣ β ɥ ῷ

		ṿ	
		≤0.08	C
		≤0.20	
	ҥ	≤0.20	
		≤0.11	
Ü		≤0.60	

B.5 ˜ ȉ ⌠ Ţ л B.5

B.5

	ṿ	
˜ ȉ ⌠ Ţ л (PCP)	≤5	LY/T 1985

C

16 (PAH)

C.1 16 (PAH) C.1

C.1

~	O	Ţ O	. ~
I	Benzo(a)pyrene	(a) (BaP)	50-32-8
2	Benzo(a)anthracene	(a) (BaA)	56-55-3
3	Benzo(b)fluoranthene	(b) (BbF)	205-99-2
4	Benzo(k)fluoranthene	(k) (BkF)	207-08-9
5	Chrysene	(CHR)	218-01-9
6	Dibenzo(a,h)anthracene	ћ (a,h) (DBA)	53-70-3
7	Benzo(g,h,i)perylene	(g,h,i) (ћ) BPE	191-24-2
8	Indeno(1,2,3-cd)pyrene	(1,2,3-cd) IPY	193-39-5
9	Acenaphthylene	(ANY)	208-96-8
10	Acenaphthene	((ANA)	83-32-9
11	Fluorene	(FLU)	86-73-7
12	Phenanthrene	(PHE)	85-01-8
13	Pyrene	(PYR)	129-00-0
14	Anthracene	(ANT)	120-12-7
15	Fluoranthene	(FLT)	206-44-0
16	Naphthalene	NAP	91-20-3

D

D.1

20 U 1

D.2

‰ 1mm

5 % 10^{-6}m^3

D.3

23 ± 2 45 ± 10 % 72h

D.4

GB/T 31107-2014

D.5

D.5.1 D.1 D.1

D.1

	0.05
	0.043
	0.035

$$Q = \frac{V}{L_f} \quad \text{(D.1)}$$

Q —— m^3

V —— m^3

L_f —— r ʮ β ч m^3/m^3

D.5.2 C.1 1 m^3 1 m^3
1±0.05 /h

D.5.3 C.1 D.2

$$0.5Q \leq Q_1 \leq 1.5Q \quad \text{(D.2)}$$

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Q_1—— Ṝ ʮ β ч m^3

Q —— Ṝ ʮ β ч m^3

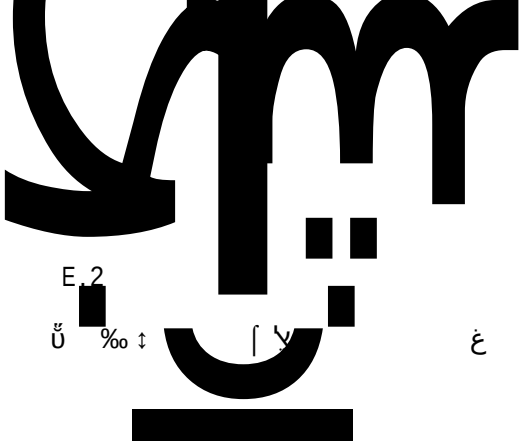
D.6

D.6.1

—— :

D.7

E



E.2

E.2.4

E.2.5

E.3

E.3.1

g) ϙ ȝ ᒪ ⅞ ᵒᵒ ڿ Đ /\
ᛋ ڿ E.3

E.3

E.3.2

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C ę № ↕ m<0.1*№

E.2( )

>5% O

>1%