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Technical specification for evaluation of green design
products Qin and Zheng

1

2

GB/T 2589 2020

GB/T 16288

GB/T 16716.1 1

GB/T 18820

GB/T 19001

GB/T 23331

GB/T 24001

GB/T 24040

GB/T 24044

GB/T 24256

GB/T 28489

GB/T 31107 2014

GB/T 31731

GB/T 32161

GB/T 45001

GB 50325 2020

GB/T 1207.3

GB/T 4181

SJ/T 11364

3

GB/T 24040 GB/T 24044 GB/T 32161 2015

3.1

eco-design

[GB/T 32161

5.1.2

QB/T 4181

QB/T 1207.3

GB/T 24256

5.1.3

5.2

1

1

B.1	B

A

A.1

A.1.1

/

D

D. 1

20 h 1 h

D. 2

1 mm

5%

10^{-6}m^3

D. 3

23 ± 2

45 ± 10 %

72 h

D. 4

GB/T 31107 2014 4.1 4.2 4.1.8

D. 5

D. 5.1

D. 1

D. 1

D. 1

0.035

0.035

Q—

E

E. 1

D D.1

E. 2

D D.2

E. 3

D D.3

E. 4

D D.4

E. 5

D D.5

E. 6

D D.6

E. 7

E. 8

E. 9

E. 9. 1

E. 9. 2 0.10 g [C₆H₄SN(CH₃)C:NNH₂·HCl MBTH]

100 mL 3 d

E. 9. 3 5 mL 95 mL

E. 9. 4 0.1 mol/L 9 mL 1 000 mL

E. 9. 5 =10g/L 1.0 g [NH₄Fe(SO₄)₂·12H₂O 0.1 mol/L

100 mL

E. 9. 6 [c(1/2I₂)=0.1000mol/L] 40 g 25 mL 12.7 g

1 000 mL

E. 9. 7 0.5 mol/L 28 mL 1 000 mL

E. 9. 8 [c(Na₂S₂O₃)=0.1mol/L]

GB/T 601				0.000 1		
E. 9. 9	5 g/L	0.5 g				100 mL
2 min	3 min		0.1 g	0.4 g		
E. 9. 10	40 g/L		40 g			1 000 mL
E. 9. 11		2.8 mL	36%	38%		1 L
		1 mg/mL			20.00 mL	
	250 mL		20.00 mL	E.9.6	15.00 mL	E.9.10
15 min	20.00 mL		E.9.7	15 min		E.9.8
		1 mL		E.9.9		
F	V ₂					V ₁
		E.1				
	0.05 mL					
				$\frac{(V_1 - V_2) \cdot c}{2}$	$\frac{30.04}{20.00}$ E.1

E. 1

	0	1	2	3	4	5	6	7	8
/mL	0	0.10	0.20	0.40	0.60	0.80	1.00	1.50	2.00
/mL	5.00	4.90	4.80	4.60	4.40	4.20	4.00	3.50	3.00
/ug	0	0.10	0.20	0.40	0.60	0.80	1.00	1.50	2.00

E. 17	2.8 µg				
E. 18	0.056 µg				
E. 19					
E. 20	0.1ug/5mL	0.6ug/5mL	1.5ug/5mL	5%	5% 3%
	0.4ug/5mL	1.0ug/5mL		93%	101%

F

F.1

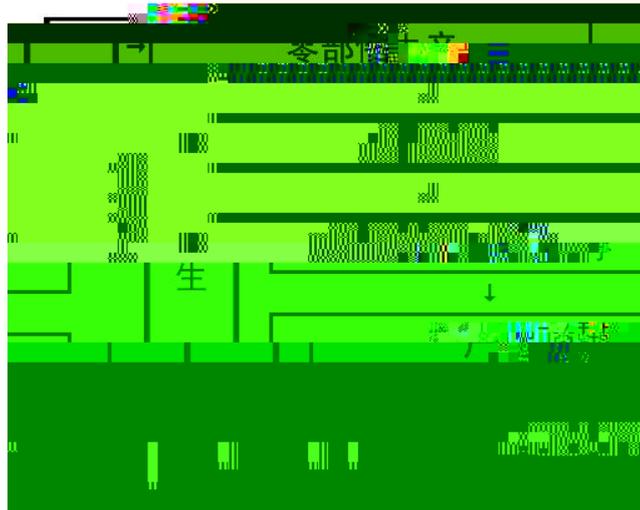
F.2

F.2.1

" 1 / "

F.2.2

F.1



F.1

F.2.3

A

A

——

——

——

——

1%

5%

——

——

1%



F. 3

F. 3. 1

F. 3. 1. 1

A

F. 3. 1. 2

F. 3. 1. 3

F. 3. 2

F. 4

-(£

F. 5

a)

b)

F. 6

LCA

PEF

EPD

