



1886.3—2016

2016 08 31

2017 01 01

GB 1889—2004

GB 1889—2004

“

”

1

2

2.1

2.2

CaHPO₄·2H₂O

2.3

172.09 (2007)

3

3.1

1

1

3.2

2

2

(CaHPO ₄ ·2H ₂ O), ω%	98.0 ~ 103.0	A A 4
, ω%	24.5 ~ 26.5	A A 5
(Pb)/(mg/kg)	10	A A 6

2 ()

(Pb)/(mg/kg)	5.0	A A.7
(As)/(mg/kg)	2.0	GB 5009.76
(F), %	0.005	A A.8
, %	0.05	A A.9

.1

.2

GB/T 6682

.4.3

.4.4

.4.4.1

2.5 g , 0.000 2 g , 100 mL , 20 mL

.5.3

w_2 , (A 2) :

$$w_2 = \frac{m_2 - m_3}{m_1} \times 100\% \quad \dots\dots\dots (A 2)$$

m_2 — (g);
 m_3 — (g);
 m_1 — (g)

0.2%

.6 ()

.6.1

.6.2

.6.2.1 :1 + 1

.6.2.2 :1 + 5

.6.2.3 ()

.6.2.4 :pH = 3.6 8 g ± 0.02 g (NaCH₃COO · 3H₂O),
 46 mL, 500 mL

.6.2.5 : (Pb)10 μg/mL 10 mL HG/T 3696.2

[1 mL (Pb)1 mg], 1 000 mL

.6.3

:50 mL

.6.4

.6.4.1

2.00 mL, 50 mL, 25 mL, 5 mL

, 5, 5 min

.6.4.2

2 g ± 0.01 g, 5 mL, 20 mL,
 50 mL, 5 mL, 5 min

.7 ()

:

- .7.1
 - (APDC)
 - 283.3 nm
- .7.2
 - .7.2.1
 - .7.2.2
 - .7.2.3
 - .7.2.4 :250 g/L
 - .7.2.5 (APDC) :2% 2.0 g ± 0.01 g
 - (APDC) 100 mL
 - .7.2.6 : (Pb)10 μg / mL 10 mL HG/T 3696.2
 - [1 mL (Pb)1 mg], 1 000 mL
 - .7.2.7 pH :0.5 ~ 5.0
- .7.3
 - .7.3.1 :250 mL
 - .7.3.2
- .7.4
 - .7.4.1
 - 5 mL , 150 mL , 30 mL 10 mL ,()
 - 5 min , pH(pH 1.0~1.5)
 - 200 mL 2 mL (APDC) ,
 - 20 mL , 50 mL ,()
 - 3 mL , 0.5 mL 10 mL ,
 - 3 mL ~ 5 mL , 10 mL - , 283.3 nm ,
 - .7.4.2
 - 10 g ± 0.1 g 150 mL , 30 mL , 10 mL ,()
 - 5 min , pH(pH 1.0~1.5)
 - 200 mL 2 mL (APDC) ,
 - 20 mL , 50 mL ,()
 - 3 mL , 0.5 mL 10 mL ,
 - 3 mL ~ 5 mL , 10 mL - , 283.3 nm ,
- .7.5

- f* !
- .8 ()
- .8.1
- , pH 5.5~6.0 @ë ,
- .8.2
- .8.2.1 :1 + 4
- .8.2.2 :
- .8.2.2.1 : $c(\text{CH}_3\text{COONa} \cdot 3\text{H}_2\text{O}) = 3 \text{ mol/L}$ 204 g 300 mL ,
 , 1 mol/L pH 7.0, 500 mL ,
- .8.2.2.2 : $c(\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 2\text{H}_2\text{O}) = 0.75 \text{ mol/L}$ 110 g ,
 300 mL , 14 mL , 500 mL ,
- .8.2.2.3 (A 8 2 2 1) (A 8 2 2 2)
- .8.2.2.4 : (F)10 μg 10 mL HG/T 3696.2
 [1 mL (F)1 mg], 1 000 mL ,
- .8.3
- .8.3.1
- .8.3.2
- .8.3.3
- .8.3.4
- .8.4
- .8.4.1 : 1.00 mL 2.00 mL 3.00 mL 4.00 mL 5.00 mL
 50 mL , 4 mL , 25

m_4 — , (g);
 10^6 —

0.001 %

.9

.9.1

:1 + 1

.9.2

: 5 μm ~ 15 μm

.9.3

10 g , 0.01 g, 250 mL , 20 mL 40 mL , ,
 100 mL , 105 ~ 110 , , 105 ~

110

.9.4

w_4 , (A 4) :

$$w_4 = \frac{m_7 - m_6}{m_5} \times 100\% \dots\dots\dots (A 4)$$

:
 m_7 — , (g);
 m_6 — , (g);
 m_5 — , (g)

0.01 %

