



1886.3—2016

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2016 08 31

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GB 1889—2004

GB 1889—2004

“

”

1

2

2.1

2.2

CaHPO<sub>4</sub>·2H<sub>2</sub>O

2.3

172.09 ( 2007 )

3

3.1

1

1


3.2

2

2

(CaHPO <sub>4</sub> ·2H <sub>2</sub> 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 (NaCH<sub>3</sub>COO · 3H<sub>2</sub>O),  
 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  
 , 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  $\mu\text{g}$  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  $\mu$ m ~ 15  $\mu$ m

.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 %

