

2017 231

PTA

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PTA

PTA (GB/T

32685-2016)

GB/T 32685-2016

PTA

TA1809

1.

2.

3.

4.

9

2017 9 6

1

	PTA	
	5 /	
	( ) /	
	2 /	
	5%	
	1-12	
	9:00-11:30	1:30-3:00
	10	
	12	
	SH/T1612. 1-2005 PTA	
	TA	

2

	PTA
	5 /
	( ) /
	2 /
	5%
	1-12
	9:00-11:30      1:30-3:00
	10
	12
	TA

<p>PTA (SH/T 1612.1-2005) 1612.1-2005 PTA PTA</p>	<p>PTA PTA (GB/T 32685-2016 32685-2016 PTA PTA</p>	<p>PTA PTA</p>



PTA

10%

20



		12.5%		12.5		13.5%
	12.5%		0.5%	1.0		0.5%
			12.5%			12.5
13.5%		0.5%	1.0		0.5%	
		12.5%		12.5		13.5%
0.5%	1.0		0.5%			
	1.0%		1.5%	1.0%		0.5%
		1		0.5%		
	8.0%		12.0%		8.0%	
1.0%			1.0			

20

GB

1351-2008

770g/L

2.0% 300s

550s

8

30%

135min

90cm<sup>2</sup>

			6		28%
135min	75cm <sup>2</sup>		750g/L		
		260 /		12	30%
135min	100cm <sup>2</sup>		80 /		16
30%		135min	120cm <sup>2</sup>	120 /	
			12.5%		12.5
13.5%	12.5%		0.5%	1.0	0.5%
			12.5%		12.5
13.5%	0.5%	1.0	0.5%		
			, 1.0%	1.5%	1.0%
	0.5%			1.0	0.5%
			, 8.0%	12.0%	8.0%
		1.0%		1.0	

185 5 227 10 /

GB1103.1-2012 1

3128B

U3

S3

P2

GB1103.1-2012 1

11 21 41 12 22

27mm 29mm

U1 U2 U4

A C C2

S1 S2 S4

P1 P3

100 /

N

N+1 8 1

4 / N+2 3

10

GB317 2006

170IU

170IU

10 1

9 30 9

11

50 /

N

N

11

9

9

20 /

9

20 /

11

40

/

5

PTA

PTA (GB/T 32685-2016)

GB/T 32685-2016

PTA

PTA

10

38.0%      9.0%      3.0%      8%  
2.0%      2.0%

GB/T 11762-2006

38.0%      1  
70 /      1      1      1  
42.0%      42.0%      35.0%  
3.0%      0.5  
30 /      0.5      2.0%      2.0%  
3.0%  
4.0%  
9.0%      0.5  
30 /      0.5      12.0%  
9.0%



5.5mmol/kg

10

GB/T 23736-2009

35.0%

35.0% 34.5%

35.0%

35 /

34.0%

34.5%

70 /

95

6

GB1350

2009

		13.5%		13.5%<
14.5%	13.5%		0.1%	0.2%
	<13.5%	13.5%	14.5%	13.5%
	0.1%	0.2%		
	1.0%	1.5%		0.5% 1.5%
	2.0%		0.5%	
		19mg/100g		0.5%
		22mg/100g		
0.7%				
		19mg/100g		25mg/100g
	0.7%			
		28mg/100g		1.0%



GB 1350-2009

30%

2.8

			13.5%			13.5%
13.5%		0.1%	0.2%	10	1	
	3	31				15.0%
			14.5%			13.5%
		13.5%	13.5%			0.1%
0.2%						
	1.0%	1.5%			0.5%	1.5%
	2.0%			1.0%		
	30%	40%			2.8	150
/						

10	1	3	31	
19mg/100g				0.3%
		22mg/100g		0.5%
10	1	3	31	
22mg/100g				0.5%
		25mg/100g		0.7%

GB/T 17891-1999

GB/T 20569-2006

20

GB1350-2009,  
30%

		60 /		80 /
		14.5%		14.5%
15.0%	14.5%		0.1%	0.2%
14.5%		14.5%	15.0%	14.5%

0.1%	0.2%		
1.0%	1.5%		0.5% 1.5%
2.0%		1.0%	
30%	40%	50 /	40%
100 /			
2.0%	4.0%		
10 1		3 31	
	16mg/100g		0.1%
		19mg/100g	
0.3%			
10 1	3 31		
19mg/100g		0.3%	
	22mg/100g		0.5%

GB/T17891 1999

GB/T20569 2006

GB

338-2004

20

GB

11614-2009

5mm

2m 2.44m

4mm

2m 2.44m

20000

500

=

-500-

-500-

2

5500 /

0.6%

30%

20%

4800 /

1%

30%

5000 /

= -90 4800 /

5300 /

= -90 /5000

5300 /

= /5500

6000 /

6000 /

0.6%

1%

0.6%

0.1

4 /

20%

20%

20%

21.32%

1.3%

35 (

GB/T

2272-2009

FeSi75-B

72.0%

0.04%

0.02%

0.2%

10-60mm

5%

8%

1000 10

2.5 /

35

GB/T 4008

2008

FeMn68Si18

65.0%

17.0%

1.8%

0.25%

0.04%

10-60mm

5%

8%

1000 10

2 /

20

18.5tex(32 )

18.5tex 100%

15.0cN/tex

16.0% -50% 5 /10<sup>3</sup>m +50% 0 /10<sup>3</sup>m +200%

520 /10<sup>3</sup>m

10 /10<sup>5</sup>m

300-420

80

/20kg

80 /20kg

100 /20kg

2% 100 /20kg

120 /20kg

3%

120 /20kg

10 /20kg,

1%

10 /20kg

10 /20kg

200 /20kg

FZ/T01057-2007

GB/T398-2008

-50%

+50%

+200%

FZ/T10008-2009

25kg

0.2%

PTA





1

2 30

1

2

2 30

1 30

1 30

1 30 2 30

2

30

2 30

,

,

5

9

80%

9 ,

100

1

2

9

100%

3

20%

10

3

20%

10

30

60

300 /

1 30



3

7

7

1

24

24

300

/

5

3



/

]

= [5 /

]

5300 /

=

/5500

6000 /

6000 /

$$\begin{aligned}
 & \qquad \qquad \qquad 5000 \quad / \qquad \qquad \qquad = \\
 -90 & \\
 & \qquad \qquad \qquad 4800 \quad / \qquad \qquad \qquad 5300 \quad / \\
 = & \qquad \qquad \qquad -90 \quad / 5000 \\
 & \qquad \qquad \qquad 4800 \quad / \qquad \qquad \qquad = \\
 -90 \quad / 5000 & \qquad \qquad \qquad 50\% \\
 & \qquad \qquad \qquad 300 \quad / \\
 & \qquad \qquad \qquad 5 \quad / \\
 & \qquad \qquad \qquad 300 \quad / \\
 & \qquad \qquad \qquad +300
 \end{aligned}$$

1%	1.5%	1%
		80%
1.5%	2%	1%
		50%
	2%	1%
		20%
		80%

( )

13% PTA

17%

7

7

20%



2 30

1. 20%

2.

3.

4.

20%

1.

2.

PTA





=[  
- ]  
=  
-  
1-20% +  
- V!CD` é < &F 4Ö,´ È 1