

HJ 1072-2019

/

Water quality—Determination of pyridine

—Headspace / gas chromatography

1 1 €

2019- 12- 31 1

2020- 06- 30

1

	.....	ii
1	.....	1
2	.....	1
3	.....	1
4	.....	1
5	.....	2
6	.....	2
7	.....	3
8	.....	3
9	.....	4
10	.....	5
11	.....	5
12	.....	5
A	.....	6

11

/

GB/T 14672-1993

/

0 0

0 0

0 0

0 0

0 0

0 0

0 0

1993 9 18

GB/T 14672-1993

A

2019 12 31

2020 6 30

/

E X₂ a J !! e . i i J + ū π
X i r e i i "Q r

1

/

10.0 ml

0.03 mg/L

0.12 mg/L

2

±

HJ 91.1

HJ/T 91

HJ/T 164

3

∕

4

∕

4.1 H₂SO₄ J H₂SO₄ =1.84 g/ml

4.2 NaOH

4.3 NaCl

500 550 2 h

4.4 Na₂S₂O₃

4.5 CH₃OH

4.6 C₅H₅N ∃ 99.5%

4.7 1+1

4.8 c NaOH =10 mol/L

4.9	$J \approx 1000 \text{ mg/L}$				
	100 ml		4.5	100 mg	0.1 mg
		4.5		4	4.6
3					
4.10	$J = 10.0 \text{ mg/L}$				
		4.9			
4.11		$\geq 99.999\%$			
4.12		$\geq 99.999\%$			
4.13					
5	A				
5.1	40 ml		-		
5.2		/		FID	
5.3	I	30 m	$\times 0.32 \text{ mm}$	$\times 0.5 \text{ } \mu \text{ m}$	100%
5.4	II	30 m	$\times 0.25 \text{ mm}$	$\times 1.4 \text{ } \mu \text{ m}$	6%
					+
94%					
5.5			± 1		
5.6		22 ml	PTFE	/	
5.7	1 ml	10 ml			
5.8	E	0.1 mg	r		
5.9					
6					
6.1					
	HJ 91.1	HJ/T 91	HJ/T 164		
		pH	pH		4.7
4.8	pH	6	8		
1000 ml		100 mg	4.4		
6.2	H				
				4	
3 d					
2					

6.3 +
 5.6 3 g 4.3 10.0 ml

6.4 $\vdash$ 6.3

6.5 H +
6.3

7 F

7.1	A	$\bar{I}$	$\bar{t}$				
7.1.1			$\bar{I}$	$\bar{t}$			
			70		30 min	100	110

7.1.2	1.0 ml	1 min	0.2 min	
	A 1 2			
	200	230	70	3.0 ml/min
4.12	40 ml/min	4.13	350 ml/min	30 ml/min

	10	1																		
7.2	!!		+																	
		5			3 g		4.3				9.80 ml	9.50 ml	9.00 ml							
8.00 ml	5.00 ml					0.20 ml	0.50 ml	1.00 ml	2.00 ml	5.00 ml										
		4.10						0.20 mg/L	0.50 mg/L	1.00 mg/L	2.00 mg/L									
		5.00 mg/L									7.1									

7.3

6.3

7.4

7.3

6.4

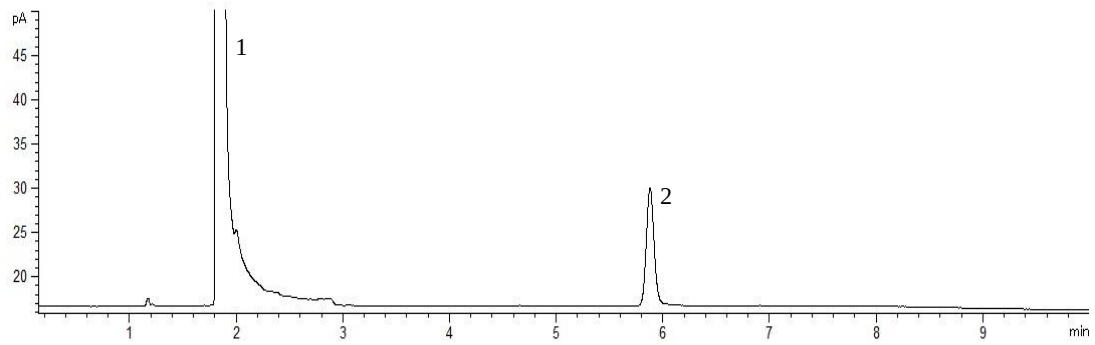
8 F

8.1 $\models$
$$t \pm 3S \quad t \quad S$$

5.3 5.4

A

1



1— 2

1 !! ġ 5.00 mg/L €

8.2

1

$$r = r_i^3 D$$

1

r ð ð

mg/L

r_i ð ð

mg/L

D ð ð

8.3

3

9

!!

9.1

0.20 mg/L 1.00 mg/L 4.50 mg/L

6

4.2% 8.1% 2.0% 9.2% 2.6% 6.7%

4.5% 2.6% 2.8%

0.04 mg/L 0.17 mg/L 0.61 mg/L

0.04 mg/L 0.17 mg/L 0.66 mg/L

0.60 mg/L

2.00 mg/L

6

1.9% 11% 2.1% 6.5%

4.6% 2.8%

0.10 mg/L 0.24 mg/L

0.12 mg/L 0.27 mg/L

9.2 !!

0.60 mg/L

2.00 mg/L

6

92.8% 105% 95.1% 102%

97.0% ± 8.8% 98.0% ± 5.8%

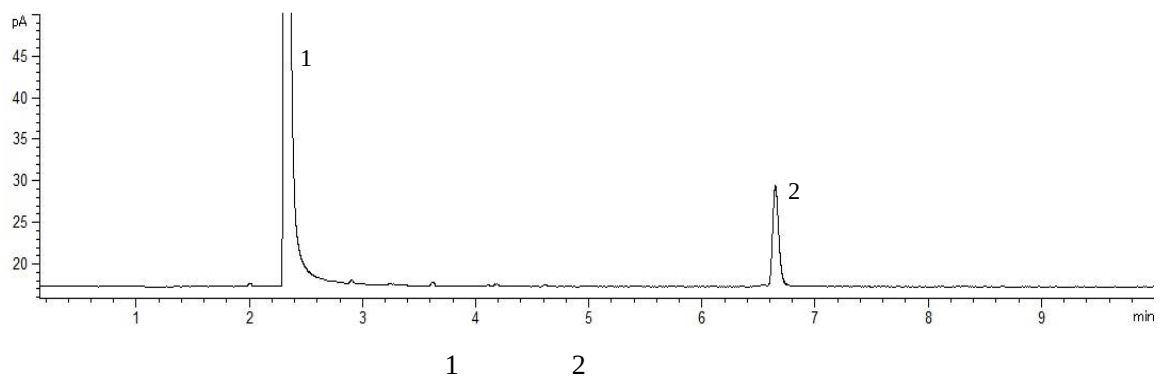
A
 í €
 A ĩ Ł

A.1

200
 230
 90
 3.0 ml/min
 40 ml/min
 350 ml/min
 30 ml/min
 10 1

A.2

A.1



A.1 !! í í € í 5.00 mg/L €