

# 广西普通高等教育专升本考试 大纲与说明（农林牧渔大类）

2025

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## Lambert-Beer Law

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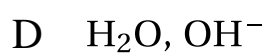
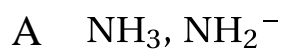
1

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300                      150                      150  
 150

	36	5	180
	4	10	40
	4	10	40
	2	20	40

1



B

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A

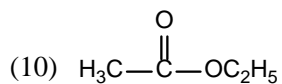
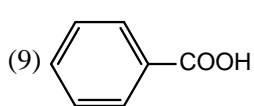
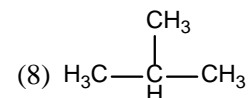
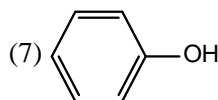
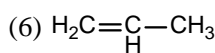
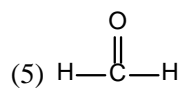
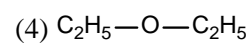
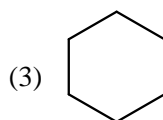
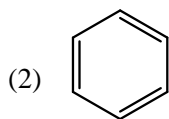
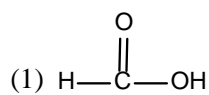
B

C

D

D

1



1

2

3

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10

2

1

2 1

3 1

4 95%

30

5 30

6

1 NaOH

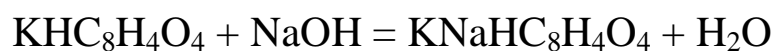
0.5026 g

21.88 mL

NaOH

NaOH

g/mol



$$n(\text{NaOH}):n(\text{KHC}_8\text{H}_4\text{O}_4)=1:1$$

$$c(\text{NaOH}) = m(\text{KHC}_8\text{H}_4\text{O}_4)/[M(\text{KHC}_8\text{H}_4\text{O}_4) V(\text{NaOH})]$$

$$= 0.5026 \text{ g}/(204.2 \text{ g}\cdot\text{mol}^{-1}\times 21.88\times 10^{-3}\text{L})$$

$$= 0.1125 \text{ mol}\cdot\text{L}^{-1}$$

2 GB4789.2-2022

1:100 1:1000 1:10000

1 mL

1 mL

48

$\pm 2$

mL

mL

3

$$V_1 = \frac{c_2 \cdot V_2}{c_1} = 219 \text{ mL}$$

2       $\text{NH}_4\text{Cl}$

$$\text{pOH} \quad \text{pOH} = 14 - 9.4 = 4.6$$

$\text{NH}_4\text{Cl}$

$$\text{pOH} = \text{p}K_b^\theta - \lg \frac{c_b}{c_s}$$

$$\lg \frac{c_b}{c_s} = \text{p}K_b^\theta - \text{pOH} = 4.75 - 4.6 = 0.15$$

$$\frac{c_b}{c_s}$$

$\text{NH}_4\text{Cl}$

3

219 mL

8 L

7 L

121 g  $\text{NH}_4\text{Cl}$

8 L

pH

pH

2

1

2

3

4