

Question # 81043, answer

glycerol is a syrup liquid often used in cosmetics and soaps. A 3.25 L sample of pure glycerol has a mass of 4.10^3 g. What is the density of glycerol in g/cm^3 ?

Answer:

$$\text{Density} = \text{mass} / \text{volume} = 4 \cdot 10^3 \text{ g} / 3250 \text{ mL} = 1.23 \text{ g/ mL} = 1.23 \text{ g/cm}^3$$

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