

Scribe

Solución

1 C = 92,3%
H = 7,7%

$$C = \frac{92,3 \text{ g}}{12 \text{ g/mol}} = 7,69 = 7,69 / 7,69 = 1$$

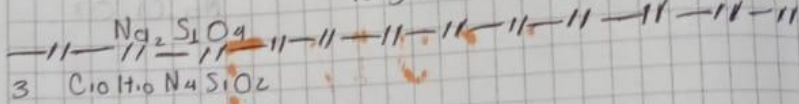
$$H = \frac{7,7 \text{ g}}{1 \text{ g/mol}} = 7,7 = 7,7 / 7,69 = 1$$

2 Na = 32,4%
S = 22,5%
O = 45,1%

$$Na = \frac{32,4 \text{ g}}{23 \text{ g/mol}} = 1,40 = 1,40 / 0,70 = 2$$

$$S = \frac{22,5 \text{ g}}{32 \text{ g/mol}} = 0,70 = 0,70 / 0,70 = 1$$

$$O = \frac{45,1 \text{ g}}{16 \text{ g/mol}} = 2,81 = 2,81 / 0,70 = 4$$



$$C = \frac{48 \text{ g}}{12 \text{ g/mol}} = 4 = 4 / 0,4 = 10$$

$$H = \frac{4 \text{ g}}{1 \text{ g/mol}} = 4 = 4 / 0,4 = 10$$

$$N = \frac{22,4 \text{ g}}{14 \text{ g/mol}} = 1,6 = 1,6 / 0,4 = 4$$

$$S = \frac{12,8 \text{ g}}{32 \text{ g/mol}} = 0,4 = 0,4 / 0,4 = 1$$

$$O = \frac{12,8 \text{ g}}{16 \text{ g/mol}} = 0,8 = 0,8 / 0,4 = 2$$

$$N = \frac{0,07g}{14g/mol} = 0,005 = 0,005 / 0,005 = 1$$

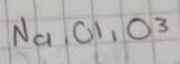
$$O = \frac{0,181g}{16g/mol} = 0,01 = 0,01 / 0,005 = 2$$

= N₁O₂

$$Na = \frac{21,6g}{23g/mol} = 0,93 = 0,93 / 0,93 = 1$$

$$Cl = \frac{33,3g}{36g/mol} = 0,95 = 0,95 / 0,93 = 1$$

$$O = \frac{45,1g}{16g/mol} = 2,82 = 2,82 / 0,93 = 3$$



Scribe

$$1 \quad C = \frac{40}{12} = 3,3 = 3,3 / 1,1 = 3$$

$$H = \frac{0,79}{1} = 0,7 = 0,7 / 0,35 = 2$$

$$O = \frac{53,3}{16} = 3,3 = 3,3 / 1,1 = 3$$

$$C = 12 \times 3 = 36$$
$$H = 1 \times 2 = 2$$
$$O = 16 \times 3 = 48$$
$$\frac{86}{86}$$

$$N = \frac{40}{70} = 3 \quad C_3 H_2 O_3 \rightarrow C_3 H_2 O_3$$

$$2 \quad C = \frac{48g}{12g/mol} = 4 = 4 / 0,3 = 13$$

$$H = \frac{4g}{1g/mol} = 4 = 4 / 0,3 = 13$$

$$N = \frac{22,4g}{14g/mol} = 1,6 = 1,6 / 0,3 = 5$$

$$S = \frac{12,8g}{32g/mol} = 0,4 = 0,4 / 0,3 = 1$$
$$: C_{13} H_{13} N_5 S_1$$

$$C = 12 \times 13 = 156$$

$$H = 1 \times 13 = 13$$

$$N = 14 \times 5 = 70$$

$$S = 32 \times 1 = 32$$
$$\frac{271}{271}$$

$$3 \quad N = \frac{1000g}{271} = 4 = C_{13} H_{13} N_5 S_1 = C_{52} H_{52} N_{20} S_4$$