

— 6.12

2.11
2.11
2.10
2.10
2.09
2.08
2.07

Internal Standard: 41.8mg

Sample: 39.6mg

Mole ratio = $(1.19/2)/(3/3) = 0.595$ (59.5%)

Mole ratio = $(1.73/3)/(3/3) = 0.576$ (57.6%)

Averaged = 58.6%

%P of Standard = 1

MW of Compound = 258.48

MW of Standard: = 168.19

$$\text{Molar ratio} = \frac{\left[\frac{I_{cpd}}{nH_{cpd}} \right]}{\left[\frac{I_{std}}{nH_{std}} \right]}$$

$$\text{wt}\% = \frac{mg_{std} \times MW_{cpd} \times \text{molar ratio} \times P_{std}}{mg_{cpd} \times MW_{std}} \times 100 = 95.1 \text{ wt}\%$$

