

1 and mesitylene
¹H qNMR, 400 MHz, CDCl₃

purity determined to be 100. wt%
 versus mesitylene as internal standard
 internal standard = 13.5 mg
 sample = 33.0 mg

$$\text{wt\%} = \frac{mg_{std} \times MW_{cpd} \times I_{cpd} \times nH_{std} \times \text{purity}_{std}}{mg_{cpd} \times MW_{std} \times I_{std} \times nH_{cpd}}$$

$$100.\text{wt\%} = \frac{13.5 \times 280.14 \times 1.07 \times 3 \times 98}{33.0 \times 120.19 \times 3.00 \times 1}$$

