NuMega Resonance Labs
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NuMega Reference #

2400BROM.574C

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Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID	Sarcosine
Standard	Dimethylsulfone
Weight of Standard (wt_{st})	1.645
Weight of Sample (wt_{sa})	8.119
Assumed Sample Molecular Weight (MW_{sa})	89.09
Standard Molecular Weight (MW_{st})	94.13
Integration of Sample (I_{sa})	430.72
Integration of Standard (I_{st})	100
# of Equivalent Nuclei in Standard (n_{st})	6
# of Equivalent Nuclei in Sample (n_{sa})	5
Assigned Purity of Standard % (P)	99.82
Purity %	98.9%

Formula Used for Calculation: $$WT\% = \frac{wt_{st}}{wt_{sa}} \times \frac{MW_{sa}}{MW_{st}} \times \frac{I_{sa}}{I_{st}} \times \frac{n_{st}}{n_{sa}} \times P$$