

NuMega Resonance Labs

Fast Reliable Services

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NuMega Reference #

2300BROM.029E

Bromantane, LLC

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Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID	Pramiracetam
Standard	1,2,4,5-Tetrachloro-3-nitrobenzene
Weight of Standard (wt_{st})	3.158
Weight of Sample (wt_{sa})	5.221
Sample Molecular Weight (MW_{sa})	305.84
Standard Molecular Weight (MW_{st})	260.89
Integration of Sample (I_{sa})	1690.51
Integration of Standard (I_{st})	100
# of Equivalent Nuclei in Standard (n_{st})	1
# of Equivalent Nuclei in Sample (n_{sa})	12
Assigned Purity of Standard % (P)	99.82
Purity %	99.7%

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