NuMega Resonance Labs
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NuMega Reference #

2505brom.112b

Bromantane
PO box 17063
Sarasota, FL
bromantanespray@protonmail.com

Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID	JXL-082
Standard	Dimethyl sulfone
Weight of Standard (wt_{st})	1.528
Weight of Sample (wt_{sa})	11.886
Assumed Sample Molecular Weight (MW_{sa})	469.39
Standard Molecular Weight (MW_{st})	94.13
Integration of Sample (I_{sa})	52.10
Integration of Standard (I_{st})	100
# of Equivalent Nuclei in Standard (n_{st})	6
# of Equivalent Nuclei in Sample (n_{sa})	2
Assigned Purity of Standard % (P)	99.82
Purity %	100.0%

Formula Used for Calculation:

$$WT\% = \frac{wt_{st}}{wt_{sa}} \times \frac{MW_{sa}}{MW_{st}} \times \frac{I_{sa}}{I_{st}} \times \frac{n_{st}}{n_{sa}} \times P$$