NuMega Resonance Labs
Fast Reliable Services
11526 Sorrento Valley Road, Suite B-2 ◆ San Diego, CA 92121 ◆ USA
Phone 858-793-6057 ◆ Fax 858-793-2607

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NuMega Reference #
2601BROM.576B

Company: Bromantane LLC

Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID	GB-115
Standard	1,3,5-trimethoxybenzene
Weight of Standard (wt_{st})	1.351
Weight of Sample (wt_{sa})	8.724
Sample Molecular Weight (MW_{sa})	434.54
Standard Molecular Weight (MW_{st})	168.19
Integration of Sample (I_{sa})	164.77
Integration of Standard (I_{st})	100
# of Equivalent Nuclei in Standard (n_{st})	3
# of Equivalent Nuclei in Sample (n_{sa})	2
Assigned Purity of Standard % (P)	99.83
Purity %	98.7

Formula Used for Calculation:

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