

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 #

2400BROM.574A

Bromantane, LLC
PO Box 17063
Sarasota, FL
bromantanespray@protonmail.com

Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID	PRL-8-53
Standard	Maleic acid
Weight of Standard (wt _{st})	1.628
Weight of Sample (wt _{sa})	9.472
Assumed Sample Molecular Weight (MW _{sa})	319.83
Standard Molecular Weight (MW _{st})	116.04
Integration of Sample (I _{sa})	950.08
Integration of Standard (I _{st})	100
# of Equivalent Nuclei in Standard (n _{st})	2
# of Equivalent Nuclei in Sample (n _{sa})	9
Assigned Purity of Standard % (P)	99.94
Purity %	100.0%

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