

NuMega Resonance Labs

Fast Reliable Services

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Bromantane LLC

NuMega Reference #

2208BROM.544A

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Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID	tak-653
Standard	Maleic acid
Weight of Standard (wt _{st})	0.965
Weight of Sample (wt _{sa})	3.306
Sample Molecular Weight (MW _{sa})	373.47
Standard Molecular Weight (MW _{st})	116.04
Integration of Sample (I _{sa})	105.69
Integration of Standard (I _{st})	100
# of Equivalent Nuclei in Standard (n _{st})	2
# of Equivalent Nuclei in Sample (n _{sa})	2
Assigned Purity of Standard % (P)	99
Purity %	98.3%

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