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NuMega Reference #
2602BROM.636F

Company: Bromantane LLC

Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID	PRL-8-53
Standard	1,2,4,5-tetrachloro-3-nitrobenzene
Weight of Standard (wt_{st})	11.720
Weight of Sample (wt_{sa})	10.630
Assumed Sample Molecular Weight (MW_{sa})	319.8
Standard Molecular Weight (MW_{st})	260.89
Integration of Sample (I_{sa})	1509.66
Integration of Standard (I_{st})	100
# of Equivalent Nuclei in Standard (n_{st})	1
# of Equivalent Nuclei in Sample (n_{sa})	3
Assigned Purity of Standard % (P)	99.41
Purity %	99.6

Formula Used for Calculation:

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