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

May 13, 2026

NuMega Reference #

2602brom.673c

Bromantane LLC

Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID	Art27.13
Standard	Ethylene Carbonate
Weight of Standard (wt_{st})	1.012
Weight of Sample (wt_{sa})	11.052
Assumed Sample Molecular Weight (MW_{sa})	413.53
Standard Molecular Weight (MW_{st})	88.06
Integration of Sample (I_{sa})	54.52
Integration of Standard (I_{st})	100
# of Equivalent Nuclei in Standard (n_{st})	4
# of Equivalent Nuclei in Sample (n_{sa})	1
Assigned Purity of Standard % (P)	99.71
Purity %	93.5%
Water Content KF titration report (3rd party)	2.04%
Purity % + Water	**95.5%**

Formula Used for Calculation:

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