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

June 1, 2026

NuMega Reference #
2603BROM.323B

Company: Bromantane LLC

Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID	Usmarapride Oxalate
Standard	Ethylene Carbonate
Weight of Standard (wt_{st})	2.192
Weight of Sample (wt_{sa})	9.684
Assumed Sample Molecular Weight (MW_{sa})	473.53
Standard Molecular Weight (MW_{st})	88.06
Integration of Sample (I_{sa})	20.38
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 %	98.9

Formula Used for Calculation:

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