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 #**
2602BROM.636E

Company: Bromantane LLC

# Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

| Sample ID | Aniracetam |
|---|---|
| Standard | Ethylene Carbonate |
| Weight of Standard ($wt_{st}$) | 1.118 |
| Weight of Sample ($wt_{sa}$) | 11.495 |
| Assumed Sample Molecular Weight ($MW_{sa}$) | 219.24 |
| Standard Molecular Weight ($MW_{st}$) | 88.06 |
| Integration of Sample ($I_{sa}$) | 205.66 |
| Integration of Standard ($I_{st}$) | 100 |
| # of Equivalent Nuclei in Standard ($n_{st}$) | 4 |
| # of Equivalent Nuclei in Sample ($n_{sa}$) | 2 |
| Assigned Purity of Standard % (P) | 99.71 |
| Purity % | 99.3 |

Formula Used for Calculation:

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