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**NuMega Reference #**
2602BROM.420D

Company: Bromantane LLC

# Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

| Sample ID | Salicin |
|---|---|
| Standard | Ethylene Carbonate |
| Weight of Standard ($wt_{st}$) | 1.308 |
| Weight of Sample ($wt_{sa}$) | 11.973 |
| Assumed Sample Molecular Weight ($MW_{sa}$) | 286.28 |
| Standard Molecular Weight ($MW_{st}$) | 88.06 |
| Integration of Sample ($I_{sa}$) | 70.09 |
| 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 % | 99.3 |

Formula Used for Calculation:

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