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NuMega Reference #

2405BROM.950B

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## Quantitative Analysis Report

*Bruker 500 MHz, AVII-500 and AV-500*

|                                                       |                    |
|-------------------------------------------------------|--------------------|
| Sample ID                                             | KW-6356            |
| Standard                                              | Ethylene Carbonate |
| Weight of Standard (wt <sub>st</sub> )                | 2.033              |
| Weight of Sample (wt <sub>sa</sub> )                  | 10.332             |
| Assumed Sample Molecular Weight (MW <sub>sa</sub> )   | 397.40             |
| Standard Molecular Weight (MW <sub>st</sub> )         | 88.06              |
| Integration of Sample (I <sub>sa</sub> )              | 55.06              |
| Integration of Standard (I <sub>st</sub> )            | 100                |
| # of Equivalent Nuclei in Standard (n <sub>st</sub> ) | 4                  |
| # of Equivalent Nuclei in Sample (n <sub>sa</sub> )   | 2                  |
| Assigned Purity of Standard % (P)                     | 99.71              |
| Purity %                                              | 97.5%              |

Formula Used for Calculation: 
$$WT\% = \frac{wt_{st}}{wt_{sa}} \times \frac{MW_{sa}}{MW_{st}} \times \frac{I_{sa}}{I_{st}} \times \frac{n_{st}}{n_{sa}} \times P$$