



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-208273  
Lot Number: SAMPLE  
Product Name: rac Demethyl Citalopram Hydrochloride  
CAS Number: 97743-99-2  
Molecular Formula:  $C_{19}H_{19}FN_2O \cdot HCl$   
Molecular Weight: 346.83

| Test                               | Result                                            |
|------------------------------------|---------------------------------------------------|
| Appearance                         | Off-white to pale yellow solid                    |
| Identification (FTIR)              | Complies                                          |
| Identification (1H-NMR)            | Complies                                          |
| Identification (19F-NMR)           | Complies                                          |
| Identification (Mass Spectrometry) | Complies                                          |
| Purity                             | 98 %                                              |
| Atmosphere                         | Inert gas                                         |
| Melting Point                      | 72 - 78 °C                                        |
| Solubility                         | Acetonitrile (Slightly), Methanol (Very Slightly) |
| Chloride                           | 9.50 % by Ion Chromatography                      |
| Chloroform                         | 4.8 %                                             |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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