



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-257709  
Lot Number: SAMPLE  
Product Name: Methoctramine hydrate  
CAS Number: 104807-46-7 (anhydrous)  
Molecular Formula:  $C_{36}H_{62}N_4O_2 \cdot 4HCl \cdot xH_2O$   
Molecular Weight: 728.75(anhydrous basis)

| Test                         | Specification             | Result                                        |
|------------------------------|---------------------------|-----------------------------------------------|
| Appearance                   |                           | White solid                                   |
| Identification ( $^1H$ -NMR) | Consistent with structure | Complies                                      |
| Purity (NMR)                 |                           | $\geq 97\%$                                   |
| Solubility                   |                           | Clear colorless solution at 20 mg/ml in water |
| Carbon Content               |                           | 57.24%                                        |
| Chloride                     |                           | 19.43%                                        |
| Hydrogen Content             |                           | 9.18%                                         |
| Nitrogen Content             |                           | 7.68%                                         |
| Water Content (CHN)          |                           | 1.25 mol/mol                                  |

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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