



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-200475A  
Lot Number: SAMPLE  
Product Name: Arcaine sulfate  
CAS Number: 14923-17-2  
Molecular Formula:  $C_6H_{16}N_6H_2SO_4$   
Molecular Weight: 270.3

| Test                 | Specification                                    | Result                                  |
|----------------------|--|---|
| Appearance           | White to off white powder                        | White powder                            |
| Purity (TLC)         | $\geq 98\%$                                      | 100%                                    |
| Solution (Color)     | Colorless to faint yellow at 50 mg/ml in 1M NaOH | Almost colorless at 50 mg/ml in 1M NaOH |
| Solution (Turbidity) | Clear to slightly hazy at 50 mg/ml in 1M NaOH    | Clear at 50 mg/ml in 1M NaOH            |
| Carbon Content       | 25.9 - 27.3% (anhydrous)                         | 26.7%                                   |
| Nitrogen Content     | 30.3 - 31.9% (anhydrous)                         | 30.8%                                   |
| Water Content (KF)   | $\leq 2.0\%$                                     | 0.2%                                    |

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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