



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-232214
Lot Number: SAMPLE
Product Name: 4-(3-Butyl-1-imidazolio)-1-butanesulfonate
CAS Number: 439937-61-8
Molecular Formula: $C_{11}H_{20}N_2O_3S$
Molecular Weight: 260.35

Test	Specification	Result
Appearance (Color)	White/Colorless	White
Appearance (Form)	Powder	Complies
Assay (Elemental Analysis)	≥95.0% (N)	99.72% (N)
Identification (1H-NMR)	Conforms to Structure	Complies
Bromide	≤10 mg/kg	≤10 mg/kg
Carbon Content	50.75%	50.48%
Chloride	≤10 mg/kg	≤10 mg/kg
Fluoride	≤10 mg/kg	≤10 mg/kg
Hydrogen Content	7.74%	8.02%
Nitrate	≤10 mg/kg	≤10 mg/kg
Nitrogen Content	10.76%	10.72%
Phosphate	≤10 mg/kg	≤10 mg/kg
Sulfate	≤10 mg/kg	≤10 mg/kg
Sulfur Content	12.31%	12.8%
Water Content	≤5.0%	0.28%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com