



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-288185
Lot Number: SAMPLE
Product Name: 2-Mesityl-2,5,6,7-tetrahydropyrrolo[2,1-c][1,2,4]triazol-4-ium chloride
CAS Number: 862893-81-0
Molecular Formula: $C_{14}H_{18}ClN_3$
Molecular Weight: 263.77

Test	Specification	Result
Appearance	White to tan solid, powder crystals	Off white powder
Identification (1H -NMR)	Consistent with structure	Complies
Identification (^{13}C -NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Silver Nitrate Titration)	96.5 - 103.5% (with $AgNO_3$ after O_2 combustion)	97.3%
Carbon Content	61.5% - 66.0%	62.48%
Nitrogen Content	15.3 - 16.5%	15.51%

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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