



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-391478  
Lot Number: SAMPLE  
Product Name: Theophyllidine Hydrochloride  
CAS Number: 116131-08-9  
Molecular Formula:  $C_6H_{11}ClN_4O$   
Molecular Weight: 190.63

Test	Specification	Result
Appearance		Off-white to pale green solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		98%
Atmosphere		Inert gas
Melting Point		>188°C (dec.)
Solubility		Methanol (slightly), Water (slightly, heated, sonicated)
Carbon Content	37.80%	34.13%
Chloride		17.3%
Hydrogen Content	5.82%	6.38%
Nitrogen Content	29.39%	26.16%
Water Content (KF)		9.9%

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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