



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-252873  
Lot Number: SAMPLE  
Product Name: Hemicholinium-3  
CAS Number: 312-45-8  
Molecular Formula:  $C_{24}H_{34}Br_2N_2O_4$   
Molecular Weight: 574.35

Test	Specification	Result
Appearance	White to off white powder	White powder
Identification (1H-NMR)	Consistent with structure	Complies
Identification (13C-NMR)	Consistent with structure	Complies
Purity (HPLC)	$\geq 95\%$	99.7%
Solubility	Colorless to faint yellow and clear to slightly hazy solution at 50 mg/ml in water	Colorless and clear solution at 50 mg/ml in water
Bromine Content	26.7 - 29.3% (dry basis)	Complies
Carbon Content	47.4 - 53.0% (dry basis)	51.3%
Nitrogen Content	4.4 - 5.3% (dry basis)	4.9%
Water Content	$\leq 10\%$	7.7%

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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