



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-227855  
Lot Number: SAMPLE  
Product Name: Diethylenetriamine-pentaacetic acid calcium trisodium salt  
CAS Number: 207226-35-5  
Molecular Formula:  $C_{14}H_{18}CaN_3Na_3O_{10}$   
Molecular Weight: 497.35

Test	Specification	Result
Appearance	Colorless or white powder	White powder
Identification (1H-NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Titration)	97.0 - 102.0 % (KT, calculated on dry substance by 0.1M EDTA)	99.4 %
Purity (TLC)	$\geq 97.0\%$	100%
Solubility	Clear and colorless solution at 1g in 10 ml 10% Ammonia	Complies
Calcium (ICP)		Complies
Carbon Content	33.81 %	28.64 %
Hydrogen Content	3.65 %	5.39 %
Nitrogen Content	8.45 %	7.12%
Sodium (ICP)		Complies
Water Content	8 - 15 %	12.1%

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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