



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214654
Lot Number: SAMPLE
Product Name: Calcium lactobionate monohydrate
CAS Number: 110638-68-1
Molecular Formula: $C_{12}H_{21}O_{12} \cdot 0.5Ca \cdot H_2O$
Molecular Weight: 395.34

Test	Specification	Result
Appearance	White to off-white powder	White powder
Identification (Infrared Spectrum)	Consistent iwith structure	Complies
Purity (Titration)	98.0 - 102.0% (titration with EDTA)	100.0%
Purity (TLC)	$\geq 97.5\%$	100.0%
Solubility	Clear, colorless to very faint yellow at 100 mg/ml in H_2O	Clear, colorless at 100 mg/ml in H_2O
Specific Rotation ($\alpha_{20/D}$)	22.5 - 24.5°	23.8°

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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