



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-489581
Lot Number: SAMPLE
Product Name: L-Glutamic Acid Magnesium Salt Hydrobromide
CAS Number: 53459-38-4
Molecular Formula: $C_5H_8BrMgNO_4$
Molecular Weight: 250.33
Native Source: Synthetic

Test	Specification	Result
Appearance		Light beige solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		95%
Atmosphere		Inert gas
Melting Point		>238°C (dec.)
Solubility		Aqueous Acid (slightly, sonicated), Water (slightly)
Specific Rotation		+15.5° (c = 0.4, 6N HCl)
Bromine Content		29.40% by Ion Chromatography
Carbon Content	23.99%	21.11%
Hydrogen Content	3.22%	3.94%
Magnesium		8.59% by Ion Chromatography
Nitrogen Content	5.60%	4.79%
Water Content		12.0% based on Elemental Analysis

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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