



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-255052
Lot Number: SAMPLE
Product Name: D-Asparagine
CAS Number: 2058-58-4
Molecular Formula: $\text{H}_2\text{NCOCH}_2\text{CH}(\text{NH}_2)\text{CO}_2\text{H}$
Molecular Weight: 132.12

Test	Specification	Result
Appearance	White crystal or crystalline powder	Complies
Purity	99% - 101%	99.1%
Residue on Ignition	$\leq 0.10\%$	Complies
Specific Rotation ($\alpha_{20/D}$)	-34.5° - -36.5°	-34.9°
Transmittance	$\geq 98.0\%$	99.0%
Heavy Metals	≤ 10 ppm	Complies
Loss on Drying	$\leq 1.0\%$	Complies
Other Amino Acids	$\leq 1.0\%$	$< 0.50\%$
Ammonium	$\leq 0.10\%$	$< 0.03\%$
Arsenic	≤ 1 ppm	Complies
Chloride	≤ 200 ppm	Complies
Iron	≤ 10 ppm	Complies
Sulfate	≤ 200 ppm	Complies

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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