



Specification

L-Aspartic Acid Hemimagnesium Salt Hydrate

Catalog Number: AH1002
CAS Number: 2068-80-6
Molecular Formula: $(C_8H_{12}MgN_2O_8)_2 \cdot 2H_2O$; $C_8H_{12}MgN_2O_8$ (Dry Basis)
Molecular Weight: 324.53; 144.25 (Dry Basis)
Storage: 15°C – 30°C
Retest Period: Two years from the date of manufacture

Test	Specification
Appearance	White crystals or crystalline powder
Assay (Dry Basis)	≥ 98%
Specific Rotation	+20.5° to +25.0°
Solubility	Colorless in water
pH	6.0 – 8.0
Moisture (KF)_	≤ 17%
Chloride	≤ 0.021%
Sulfate	≤ 0.05%
Ammonium	≤ 0.05%
Heavy Metals	≤ 10ppm
Arsenic	≤ 1ppm
Iron	≤ 30ppm

Approved:

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