



Specification

Product Name: H-Glu-OH
Synonyms: L-Glutamic acid
Molecular Weight: 147.13

CAS#: 56-86-0
Molecular Formula: C₅H₉NO₄

Item	Standard
Appearance	White crystals or crystalline powder
State of solution (Transmittance)	Clear and colorless not less than 98.0%
Specific rotation	+31.5 to +32.5°
Chloride (Cl)	Not more than 0.020%
Ammonium(NH ₄)	Not more than 0.02%
Sulfate (SO ₄)	Not more than 0.02%
Iron(Fe)	Not more than 10ppm
Heavy metal(Pb)	Not more than 10ppm
Arsenic(As ₂ O ₃)	Not more than 1ppm
Other Amino Acids	Chromatographically Not detectable
Loss on drying	Not more than 0.20%
Residue on ignition(sulfated)	Not more than 0.10%
pH	3.0 to 3.5
Assay	99.0% to 100.5%

