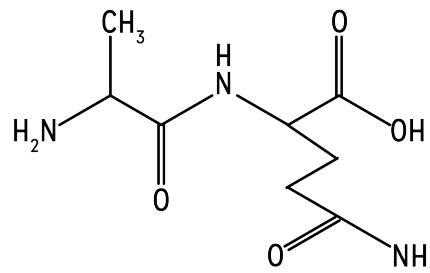


Product Specification

Product Name	L-Alanyl-L-Glutamine
CAS #	39537-23-0
Formula	C ₈ H ₁₅ N ₃ O ₄
Molecular Weight	217.22
Description	White crystals or crystalline powder.
Identification	Compare the infrared absorption spectrum of the sample with that of the standard by potassium bromide disc method.



Test	Specification
Specific Rotation @ 20°C	+8.0 to +12.0°
State of Solution	Clear and colorless; Not less than 95.0%
Chloride (Cl)	Not more than 0.020%
Ammonium (NH₄)	Not more than 0.02%
Sulfate (SO₄)	Not more than 0.030%
Iron (Fe)	Not more than 10ppm
Heavy Metals (Pb)	Not more than 10ppm
Arsenic (As₂O₃)	Not more than 1ppm
Related Substances	1) Conforms 2) L-Alanine: Not more than 1.0%; L-Glutamine: Not more than 0.5%; L-Glutamic Acid: Not more than 0.5%
Loss on drying	Not more than 1.50%
Residue on Ignition (Sulfated)	Not more than 0.30%
Assay	97.0 to 103.0%
pH	5.0 to 6.0
Endotoxin	Less than 6.0 EU/g