



100 Majestic Way, Bangor, PA 18013 / [www.biospectra.us](http://www.biospectra.us)

**L-GLUTAMINE**  
**SPECIFICATION SHEET**  
**BIO ULTRA GRADE / GL5220**

$C_5H_{10}N_2O_3$  ▲ F.W. 146.14 ▲ CAS#: 56-85-9

ANALYSIS	SPECIFICATIONS
Assay	98.5%-101.5% min.
Chloride	<0.05%
Chromatographic Purity	Meet Requirements
Heavy Metals	<15ppm
Identity (FTIR)	Passes Test
Iron	<30ppm
LOD	<0.3%
Specific Rotation	(+6.3°) to (+7.3°)
Residue on Ignition	<0.3%
Sulfate	<0.03%