

SPECIFICATION

JUNSEI CHEMICAL CO.,LTD.
QUALITY ASSURANCE SECTION
1-6, Ohmano-cho, Koshigaya-shi,
Saitama, 343-0844, Japan
TEL: +81-48-986-6161
FAX: +81-48-989-2787

Product Code 27340-0310
Commodity L(+)-Glutamine
Grade Guaranteed Reagent
Q'ty 25g

[Test Item]	[Standard]	CASNo.56-85-9
ASSAY(C ₅ H ₁₀ N ₂ O ₃)	min. 99.0 %(m/m)	
Solubility in water	To pass test	
pH (20g/L, 25°C)	4.0~6.0	
Specific rotation [α] _D ²⁰	+6.3~+7.3 °	
Drying loss (105°C)	max. 0.2 %(m/m)	
Ignition residue (as sulfates)	max. 0.05 %(m/m)	
Chloride (Cl)	max. 0.01 %(m/m)	
Sulfate (SO ₄)	max. 0.02 %(m/m)	
Lead (Pb)	max. 0.001 %(m/m)	
Arsenic (As)	max. 1 ppm(m/m)	
Iron (Fe)	max. 0.001 %(m/m)	
Other amino acid	To pass test	