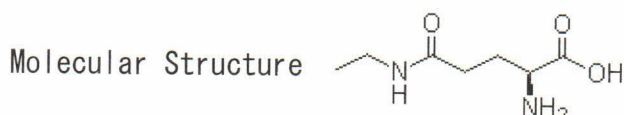


Batch no C007-M20250701
Mf date Jul 01 2025
Expiry Jun 30 2028
Batch size 1000 kg



Molecular Formula $C_7H_{14}N_2O_3$

Molecular Weight 174.20

CAS Registry Number 3081-61-6

Sep 08 2025

Tests	Specifications	Results
Appearance	White crystals or crystalline powder	White crystalline powder
Solubility (1.0g/20mL)	Clear & colorless	Conforms
Identification	HPLC	Positive
Specific rotation $[\alpha]^{20}_D$	+7.7 ~ +8.5°	+8.1°
Transmittance	≥ 90.0%	Conforms
Melting point	190 ~ 215°C	193 ~ 195°C
Sulfate	≤ 0.015%	Conforms
Chloride	≤ 0.02%	Conforms
Loss on drying	≤ 0.5%	0.1%
Residue on ignition	≤ 0.2%	0.05%
pH (1%, H ₂ O)	4.5 ~ 6.0	5.1
Heavy metals	≤ 10 ppm	Conforms
Lead	≤ 1 ppm	Conforms
Cadmium	≤ 0.5 ppm	Conforms
Mercury	≤ 0.1 ppm	Conforms
Arsenic	≤ 1 ppm	≤ 1 ppm
Microbiological tests	Total plate count ≤ 100 cfu/g	Negative
	Yeasts & molds ≤ 100 cfu/g	Negative
	Salmonella ≤ 100 cfu/g	≤ 100 cfu/g
	E. coli Negative	Negative
Particle size	95% pass 80 mesh	Conforms
Assay (HPLC)	98.0 ~ 102.0%	100.1%

Packaging & storage	Preserve in a well-closed container, protected from light
Conclusion	Material complies with JP2000