

CERTIFICATE OF ANALYSIS

Product name	L-Proline	Product type	Type A	Carried standard	AJI97GB29938
Batch No.	2241028085	Quantity (T)	2.4		
Production date	2024/10/28	Test date	2024/10/28	Expiry date	2028/10/27

Test items and results

Test item	Test method	Specification	Result	Judgment
Sensory test	AJI97	Whitish crystals or crystal powder, slightly smelly, taste sweet	Conform	Qualified
Assay (dry content), %	AJI97	98.5-101.0	99.9	Qualified
Specific rotation [α] _{D20} , °	AJI97	-84.5--86.0	-85.1	Qualified
Loss on Drying, %	AJI97	≤0.3	0.05	Qualified
Residue on ignition, %	AJI97	≤0.1	0.03	Qualified
Transmittance, %	AJI97	≥98.0	98.9	Qualified
Chloride (as Cl ⁻), %	AJI97	≤0.02	<0.02	Qualified
Sulfate (as SO ₄ ²⁻), %	AJI97	≤0.02	<0.02	Qualified
Other amino acids, %	AJI97	Negative	Negative	Qualified
pH	AJI97	5.9-6.9	6.20	Qualified
★ Ammonium Salt, %	AJI97	≤0.02	<0.02	Qualified
★ Iron salt, %	AJI97	≤0.001	<0.001	Qualified
★ Heavy metals (as Pb), mg/kg	Chinese pharmacopoeia	≤10	<10	Qualified
★ Total Arsenic (as As), mg/kg	GB5009.11	≤3	<3	Qualified
★ Arsenic salt (as As ₂ O ₃), %	Chinese pharmacopoeia	≤0.0001	<0.0001	Qualified
★ Total plate count, CFU/g	GB4789.2	≤1000	<1000	Qualified
★ Coliforms, MPN/g	GB4789.3	≤3	<3	Qualified
★ Mould/Yeast, CFU/g	GB4789.15	≤100	<100	Qualified
★ Salmonella	GB4789.4	Negative	Negative	Qualified