



CERTIFICATE OF ANALYSIS

Name	S-Equal	Batch No.	260318D
MFG. Date	Mar. 18, 2026	Appearance	White fine powder
EXP. Date	Mar. 17, 2028	Application	Nutrient

Item	Specification	Test result	Test method
Content $\geq\%$	98.0	99.6	HPLC
Appearance	White fine powder	Complies	Observation
Particle distribution	Through 100 mesh	100%	Sieving test
Melting point $^{\circ}\text{C}$	189-190	189	USP<741>
Specific rotation $<^{\circ}$	-21	-21.1	USP<781>
Loss on drying $\leq\%$	1	0.15	USP<731>
Residue solvent (ethanol) $\leq\text{ppm}$	200	80	USP<467>
Heavy metal (as Pb) $\leq\text{ppm}$	10	<10	USP<233>
Lead $\leq\text{ppm}$	10	<10	USP<233>
Arsenic $\leq\text{ppm}$	10	<10	USP<233>
Mercury $\leq\text{ppm}$	10	<10	USP<233>
Cadmium $\leq\text{ppm}$	10	<10	USP<233>
Total Plate Count $\leq\text{cfu/g}$	1000	<1000	USP<61>
Total Yeast & Mold $\leq\text{cfu/g}$	100	<100	USP<61>
Staphylococcus aureus	Negative	Negative	USP<62>
Salmonella	Negative	Negative	USP<62>
Escherichia Coli	Negative	Negative	USP<62>

Analyst: Bing Liu

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