

Certificate of analysis

L-5-Hydroxytryptophan

CAS No.	4350-09-8	Code	BIOJL5H001
Batch No	HTP20240714	Manufacture Date	Jul.14, 2024
Expiry Date	Jul.13, 2027	Quantity	10Kg

Testing Items	Specifications	Results
Appearance	White to off-white crystallized powder	Complies
Solubility	$\geq 10\text{mg/ml}$	Complies
Identification	Ultrared Rays	Complies
Mesh size	100% through 80 mesh	Complies
Loss on drying	$\leq 0.5\%$	0.17%
Ash	$\leq 0.5\%$	0.15%
Tapped density	$\geq 0.58\text{g/ml}$	0.63g/ml
Bulk density	$\geq 0.38\text{g/ml}$	0.47g/ml
Specific rotation(20°)	$-30^\circ \sim -35^\circ$	-32.7°
Related impurity	Total impurity	$\leq 0.3\%$
	Peak X	Negative
Heavy metals	$\leq 10\text{ppm}$	Complies
Lead(Pb)	$\leq 0.5\text{ppm}$	Complies
Arsenic(As)	$\leq 0.5\text{ppm}$	Complies
Cadmium(Cd)	$\leq 0.1\text{ppm}$	Complies
Mercury(Hg)	$\leq 0.1\text{ppm}$	Complies
Total plate count	$\leq 1000\text{cfu/g}$	Complies
Yeast & Moulds	$\leq 100\text{cfu/g}$	Complies
E.Coil	Negative	Complies
Salmonella	Negative	Complies
Assay(HPLC)	$\geq 99\%$	99.58%
Conclusion	This product conforms to In-house standard	

***Storage condition: Store below 25°C, Protect from moisture and light.**