

Certificate of analysis

L-5-Hydroxytryptophan

CAS No.	4350-09-8	Code	BIOJL5H001
Batch No	HTP20231215	Manufacture Date	Dec.15, 2023
Expiry Date	Dec.14, 2025	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		$\leq 0.5\%$	0.13%
Ash		$\leq 0.5\%$	0.10%
Tapped density		$\geq 0.58\text{g/ml}$	0.66g/ml
Bulk density		$\geq 0.38\text{g/ml}$	0.47g/ml
Specific rotation(20°)		$-30^\circ \sim -35^\circ$	-32.4°
Related impurity	Total impurity	$\leq 0.3\%$	0.11%
	Peak X	Negative	Complies
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)		$\geq 99\%$	99.31%
Conclusion		This product conforms to In-house standard	

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