

CERTIFICATE OF ANALYSIS

Product Name	5-HTP		
CAS	4350-09-8		
Chemical formula	C ₁₁ H ₁₂ N ₂ O ₃		
Quantity	425.1kg		
Batch Number	20220618	Manufacture Date	20220618
Report Date	20220618	Expiry Date	20240617

Item of Analysis	Specification	Results	Test Methods
Appearance	White to Off-white Powder	Complies	Visual
Solubility	10mg per mL in water	Complies	Enterprise Standard
Identification	IR	Complies	IR
Particle Size	98% through 80 mesh	Complies	CP2020
Bulk Density	NLT 0.38g/mL	0.39g/mL	USP 44
Tapped Density	NLT 0.58g/mL	0.61g/mL	USP 44
pH	4.5~6.5	6.2	USP 44
Loss on Drying	NMT 1.0%	0.1%	USP 44
Residue on Ignition	NMT 0.3%	0.2%	USP 44
Optical Rotation	-30.0 ° ~-35.0°	-32.7°	USP 44
Heavy Metals	NMT 10ppm	Complies	ICP-MS
Lead	NMT 0.5ppm	Complies	ICP-MS
Arsenic	NMT 0.5ppm	Complies	ICP-MS
Cadmium	NMT 0.1ppm	Complies	ICP-MS
Mercury	NMT 0.1ppm	Complies	ICP-MS
Assay	≥99.0%	99.6%	HPLC
Total Impurities	NMT 0.5%	0.1%	HPLC
	Peak X :Free	Complies	HPLC
Biobased Carbon	-----	100%	AMS
Microbiological Test			
Total Plate Count	NMT 1000CFU/g	Complies	CP2020
Yeast & Mold	NMT 100CFU/g	Complies	CP2020
Coliforms	NMT 10CFU/g	Complies	CP2020
E.Coli.	Negative	Complies	CP2020
Salmonella	Negative	Complies	CP2020
Staphylococcus	Negative	Complies	CP2020

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

Specializing in Cosmetics Ingredients and Nutritional Supplement Ingredients

www.aogubio.com

