

Certificate of Analysis

Product Name	5-HTP	Batch Number	YG20210923
Specification	25kg/bag	CAS No.	4350-09-8
Chemical formula	C ₁₁ H ₁₂ N ₂ O ₃	Manufacture Date	20210923
Analysis No.	C062109023	Analysis Date	20211001
Quantity	360kg	Expiry Date	20230922

ITEMS	SPECIFICATION	RESULTS	TEST METHODS
Assay	≥99.0%	99.7%	HPLC
Physical & Chemical			
Appearance	White to Off-white Powder	Complies	Visual
Solubility	10mg per mL in water	Complies	Enterprise
Identification	IR	Complies	IR
Particle Size	98% through 80 mesh	Complies	CP2020
Bulk Density	NLT 0.38g/mL	0.42g/mL	USP44
Tapped Density	NLT 0.58g/mL	0.68g/mL	USP44
pH	4.5~6.5	4.8	USP44
Loss on Drying	NMT1.0%	0.2%	USP44
Residue on Ignition	NMT0.3%	0.1%	USP44
Optical Rotation	-30.0°~-35.0°	-31.6°	USP44
Total Impurities	NMT 0.5%	0.3%	HPLC
	Peak X :Free	Complies	HPLC
Biobased Carbon	---	98%	AMS
Heavy metals			
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
Microbiological			
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	Airtight and dry storage.Stay away from bright lights and heat sources.		
Remarks	*Non-Irradiation *Non ETO Treatment *Non Excipients *GMO Free		

