



VDK NaturaSyn CO.,LTD.

CERTIFICATE OF ANALYSIS

Report No.: S15992402001

Product Name	5-HTP	Batch No.	S15992402001
CAS #	4350-09-8	Chemical formula	C ₁₁ H ₁₂ N ₂ O ₃
Test Date	2024.02.20	Report Date	2024.02.28
Mfg Date	2024.02.19	Retest Date	2027.02.18
Specification	25kg/bag	Quantity	500.1kg

Item	Specification	Result	Method
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	0.49g/mL	USP 44
Tapped Density	NLT 0.58g/mL	0.76g/mL	USP 44
pH	4.5~6.5	5.7	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°	-32.1°	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%	99.4%	HPLC
Total Impurities	NMT 0.5%	0.2%	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	Airtight and dry storage.Stay away from bright lights and heat sources.		
Remarks	*Non-Irradiation *Non ETO Treatment *Non Excipients *GMO Free		

Reported by: 张丛丛

Checked by: 冯己乔

Approved by: 高文强