

Certificate of Analysis

Product Name	5-HTP
Batch No.	HTP20220123
MFG. Date	Jan.23,2022
Expiry Date	Jan.22,2024

ITEM	SPECIFICATION	RESULT	METHOD
Assay Data			
5-HTP	≥99%	99.5%	HPLC
Quality Data			
Appearance	White to Off-white crystallized powder	Conforms	Vision
Solubility	≥10mg/ml	Conforms	In house
Identification	Ultrared Rays	Conforms	IR
Mesh Size	100% pass 80M	Conforms	CP2020
Loss on Drying	≤0.5%	0.1%	USP43
Ash	≤0.5%	0.1%	USP43
Tapped Density	≥0.58g/ml	0.63g/ml	USP43
Bulk Density	≥0.38g/ml	0.41g/ml	USP43
Specific Rotation (20°)	-30.0° ~-35.0°	-32.6°	USP43
Related Impurity	Total Impurity ≤0.3%	0.2%	HPLC
	Peak X Negative	Conforms	HPLC
Heavy Metals	<10ppm	Conforms	ICP-MS
Lead (Pb)	<0.5ppm	Conforms	ICP-MS
Arsenic (As)	<0.5ppm	Conforms	ICP-MS
Cadmium (Cd)	<0.1ppm	Conforms	ICP-MS
Mercury (Hg)	<0.1ppm	Conforms	ICP-MS
Microbiological Data			
Total Plate Count	<1000cfu/g	Conforms	CP2020
Moulds and Yeast	<100cfu/g	Conforms	CP2020
E. Coli	Negative	Conforms	CP2020
Salmonella	Negative	Conforms	CP2020
Addition Data			
Packing	25kg/drum		
Storage	Store in a cool dry place, avoiding sunlight directly.		
Shelf Life	Two Years		

Issued by Quality Assurance Center Lab. Dept. of Jianhe Biotech Co., Ltd