

**Certificate of Analysis**

**Product Name** 5-HTP  
**Batch No.** HTP20200927  
**MFG. Date** Sep.27,2020  
**Expiry Date** Sep.26,2022

Items	SPECIFICATION	RESULT	Method
<b>Assay Data</b>			
5-HTP	≥99%	99.18%	HPLC

<b>Quality Data</b>			
<b>Appearance</b>	White to Off-white crystallized powder	Conforms	Vision
<b>Solubility</b>	≥10mg/ml	Conforms	In house
<b>Identification</b>	Ultrared Rays	Conforms	IR
<b>Mesh Size</b>	100% pass 80M	Conforms	CP2015
<b>Loss on Drying</b>	≤0.5%	0.1%	USP39
<b>Ash</b>	≤0.5%	0.1%	USP39
<b>Tapped Density</b>	≥0.58g/ml	0.67g/ml	USP39
<b>Bulk Density</b>	≥0.38g/ml	0.42g/ml	USP39
<b>Specific Rotation (20° )</b>	-30.0° ~-35.0°	-32.2°	USP39
<b>Related Impurity</b>	<b>Total Impurity</b> ≤0.3%	0.1%	HPLC
	<b>Peak X</b> Negative	Conforms	HPLC
<b>Heavy Metals</b>	<10ppm	Conforms	ICP-MS
<b>Lead (Pb)</b>	<0.5ppm	Conforms	ICP-MS
<b>Arsenic (As)</b>	<0.5ppm	Conforms	ICP-MS
<b>Cadmium (Cd)</b>	<0.1ppm	Conforms	ICP-MS
<b>Mercury (Hg)</b>	<0.1ppm	Conforms	ICP-MS

<b>Microbiological Data</b>			
<b>Total Plate Count</b>	<1000cfu/g	Conforms	CP2015
<b>Moulds and Yeast</b>	<100cfu/g	Conforms	CP2015
<b>E. Coli</b>	Negative	Conforms	CP2015
<b>Salmonella</b>	Negative	Conforms	CP2015

<b>Addition Data</b>	
<b>Packing</b>	25kg/drum
<b>Storage</b>	Store in a cool dry place, avoiding sunlight directly.
<b>Shelf Life</b>	Two Years

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

