

QUALITY SPECIFICATION

5-Hydroxytryptophan

Catalog No.: NST-10-193

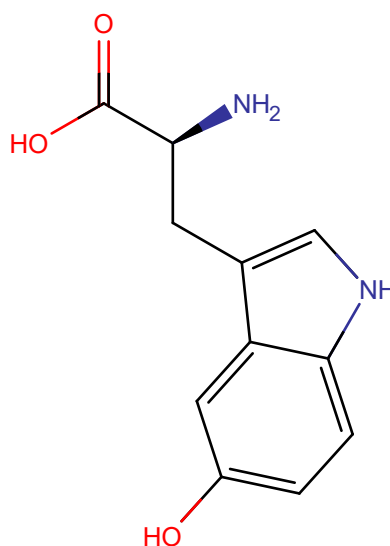
CAS No.: 4350-09-8

Molecular formula: C₁₁H₁₂N₂O₃

MW: 220.22

Botanical name: *Griffonia simplicifolia*

Part used: seeds



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Off-white	Visual
3.	Assay	98.5% -101.5%	In house
4.	Odor	Characteristic	Organoleptic
5.	Taste	Characteristic	Organoleptic
6.	Mesh size/sieve	NLT 95% pass 80 mesh	80 mesh
7.	Bulk density	NMT 0.8 g/ml	In house
8.	Chloride	≤0.05 %	In house
9.	Sulfate	≤0.03 %	In house
10.	Sulfated ash	≤0.2 %	In house
11.	Loss on drying	≤2.0 %	In house
12.	Specific rotation	-30° to -38°	Polarimeter
13.	pH	4.0-6.0	In house

14.	Heavy Metals	≤ 10 ppm	ICP-MS
15.	Lead	≤ 2 ppm	ICP-MS
16.	Arsenic	≤ 1 ppm	ICP-MS
17.	Mercury	≤ 0.1 ppm	ICP-MS
18.	Cadmium	≤ 1 ppm	ICP-MS
19.	TPC	Not more than 10^3 CFU/g	ISO 6579:2002
20.	TYMC	Not more than 10^2 CFU/g	ISO 6579:2002
21.	<i>Escherichia Coli</i>	Absent	ISO 6579:2002
22.	<i>Salmonella</i>	Absent	ISO 6579:2002
23.	<i>Staphylococcus aureus</i>	Absent	ISO 6579:2002

Storage: long term storage - airtight container +2 ... +8 °C

Stability: 24 months when properly stored