

Certificate of Analysis

Product Name:	5-HTP (Griffonia Seed)
Botanical Name:	<i>Griffonia simplicifolia</i>
Part Used:	Seeds
Solvent Used:	Water & Ethanol
Carrier:	None
Country of Origin:	Ghana
Batch Number:	Varies
Manufacture Date:	Varies
Retest Date:	Varies

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Peak X (HPLC)	Negative	ND, <9%
L-5-Hydroxytryptophan (HPLC)	≥97%	97.62%
Arsenic	≤2.0 ppm	<0.0100 ppm
Cadmium	≤1.0 ppm	<0.00500 ppm
Lead	≤2.0 ppm	<0.00500 ppm
Mercury	≤1.0 ppm	<0.00500 ppm
Aerobic Plate Count	≤10,000 cfu/g	<20 cfu/g
Coliforms	≤100 cfu/g	<20 cfu/g
<i>E. Coli</i>	Absent cfu/10g	Absent
<i>Staph aureus</i>	Absent cfu/10g	Absent
Yeast & Mold	≤1,000 cfu/g	<20 cfu/g
<i>Salmonella</i>	Absent cfu/10g	Absent
<i>Pseudo. aeruginosa</i>	Negative	Absent
Conclusion (PureBulk):	This product conforms to standards	

The following information is an indirect translation of information provided from the Manufacturer's Certificate of Analysis, and should not be used solely as an instrument for strict quality control.

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Off-white fine powder	Conforms
Identification	Corresponds to Reference Standard	Conforms
Particle Size	≥95% through 80 Mesh	Conforms
Loss on Drying	≤1.0%	0.12%
Bulk Density	Between (g/100ml) 20-60	37 g/100ml
Lead (Pb)	≤2.0 ppm	0.0087 ppm
Arsenic (As)	≤2.0 ppm	0.0104 ppm
Cadmium (Cd)	≤1.0 ppm	0.0047 ppm
Mercury (Hg)	≤1.0 ppm	0.0041 ppm
Solvent Residue	Meets Requirements	Conforms
Pesticide Residue	Meets Requirements	Conforms
Conclusion (Manufacturer):	This product conforms to enterprise standards	

Notes: This is a natural product, variances may be found that are due to the growing and drying conditions, age, season, harvest time, geographic location, production process, etc.

Additional Information: Non-Allergen || Gluten-Free || BSE/TSE Free || Food Grade || Vegan/Vegetarian

Sterilization: Non-Irradiation || Non-EtO || Heat

GMO Statement: Non-GMO

Composition: 100% of 5-HTP

Storage Conditions: **Keep in sealed container under
Keep away from strong light, heat
and moisture.**

Purebulk.Inc verifies that the information contained herein is true and correct to the best of our knowledge.

Verified By: Ann Foote / Candace Gibson

(This document was produced electronically and is valid without signature.)