

Certificate of Analysis

Product Name: **Melatonin**
 CAS #: **73-31-4**
 Raw Material(s): **diethyl malonate, acrylonitrile, p-anisidine, sodium nitrite, acetic anhydride**
 Country of Origin: **China**
 Batch Number: **Varies**
 Manufacture Date: **Varies**
 Retest Date: **Varies**

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Melatonin (HPLC)	≥98.00%	98.51%
Aerobic Plate Count	≤1000 cfu/g	<20 cfu/g
Coliforms	≤100 cfu/g	<20 cfu/g
<i>E. Coli</i>	Negative	Absent
<i>Staph aureus</i>	Negative	Absent
Yeast & Mold	≤100 cfu/g	<20 cfu/g
<i>Salmonella</i>	Negative	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 powder	Conforms
Odor	Characteristics	Conforms
Bulk Density	≥0.350 g/ml	0.578 g/ml
Tapped Density	≥0.450 g/ml	0.770 g/ml
Individual Impurity	≤0.1%	0.05%
Total Impurity	≤1.0%	0.15%
Loss on Drying	≤0.5%	0.18%
Residue on Ignition	≤0.1%	0.08%
Chloride & Sulfate	≤0.02%	<0.02%
Residual Solvent (Acetic Acid)	≤0.3%	<0.3%
Residual Solvent (Ethyl Acetate)	≤0.3%	<0.3%
Particle Size	Thru 80 mesh ≥95%	Passed
Heavy Metals	≤10 ppm	<10 ppm
Lead (Pb)	≤0.5 ppm	<0.5 ppm
Arsenic (As)	≤1 ppm	<1 ppm
Cadmium (Cd)	≤0.3 ppm	<0.3 ppm
Mercury (Hg)	≤0.2 ppm	<0.2 ppm
Chromium	≤2 ppm	<2 ppm
Conclusion (Manufacturer):	This product conforms to enterprise standards	

Additional Information: Allergen Free || BSE/TSE Free || Gluten Free || Vegan/Vegetarian
Sterilization: Does not go through sterilization in the process of production
 Non-Irradiation || Non-EtO
GMO Statement: Non-GMO || Non Bio-Engineered
Storage Conditions: **Keep in sealed container under 25°C.**
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: Candace Gibson

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