

Certificate of Analysis

Product Name: **Caffeine Pure (Natural coffee bean)**
 CAS#: **58-08-2**
 Molecular Formula: **C₈H₁₀N₄O₂**
 Molecular Weight: **194.22**
 Starting Material: **Coffee**
 Species: **Coffee Arabica**
 Part Used: **Bean**
 Extraction Solvent(s): **None**
 Carrier: **None**
 Country of Origin: **India**
 Batch Number: **Varies**
 Manufacture Date: **Varies**
 Retest Date: **Varies**

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Caffeine (HPLC)	98.0-101.0%	98.81%
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	≤300 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
Acidity	≤0.2 ml (0.01 M sodium hydroxide is required to change the color indicator to blue)	0.04 ml
Appearance	Crystalline Powder or Crystals	Crystalline Powder
Ash	Sulphated: ≤0.10%	0.04%
Color	White, almost white or silky white	White
Identification	Reaction of Xanthenes: Positive Melting Point: 234-239°C Reaction of Brown Precipitate: Positive Intense Blue Color Develops: Positive	Conforms 236.7°C Conforms Conforms
Impurities	Total: ≤0.1% Unspecified: D: ≤0.10%	Conforms Conforms
Impurity	D: ≤0.10% C: ≤0.10% A: ≤0.10% F: ≤0.10%	Conforms Conforms Conforms Conforms
Loss on Drying	≤0.50%	0.22%
Particle / Mesh Size	80 Mesh	Conforms
State of Solution	Clear and Colorless	Conforms
Sulfate (SO ₄)	≤500 ppm	Conforms
Arsenic (As)	≤1 ppm	Conforms
Cadmium (Cd)	≤0.25 ppm	Conforms
Heavy Metals	≤20 ppm	Conforms
Lead (Pb)	≤1 ppm	Conforms
Mercury (Hg)	≤0.5 ppm	Conforms
Solubility	Sparingly soluble in water, freely soluble in boiling water, slightly soluble in ethanol (96%). It dissolves in concentrated solutions of alkali benzoates or salicylates	Conforms
Conclusion (Manufacturer):	This product conforms to enterprise standards	

Additional Information: Allergen Free || Gluten Free || BSE/TSE Free || Vegan

Sterilization Method: Heat

Manufacturing Method: Extraction

GMO Statement: Non-GMO

Composition: Caffeine Anhydrous 98.5-101.5%
Water & Minor Impurities <1.5%

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: Ann Foote / Candace Gibson

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