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## **PRODUCT SPECIFICATIONS**

Product: Organic Caffeine\*  
Product Code: PurCaf - 09019020  
Country of Origin: India



### **Ingredient Composition:**

100% organic green coffee beans

### **Chemical name**

Caffeine, derived from organic green coffee beans

	<b>Specification</b>	<b>Method ID</b>
Appearance	Off White Powder	visual
Identification	Positive	FT-NIR
Odor	Bland, Chalky, Slightly sweet	Organoleptic
Flavor	Bitter	Sensory
Moisture	< 0.5%	(5)
Caffeine Content (as is)	94.5%-99.0%	(1)
Lead	< 0.25 ppm	(2)
Solubility	99.5% +/- 0.5%	(6)
Arsenic	< 0.15 ug/g	(2)
Cadmium	< 2.5 ug/g	(2)
Mercury	< 1.50 ug/g	(2)
Heavy Metals	< 10 ppm	(2)
<i>E. coli</i>	negative / 25 g	(3)
Total Coliform	< 3 MPN/g	(4)
<i>Salmonella</i>	negative / 25 g	(3)
<i>Staphylococcus</i>	negative / 25 g	(3)
Yeast & Mold	< 100 cfu /g	(3)
Aerobic Total Plate Count	< 1,000 cfu/g	(4)
Residual Solvents	ND* (< 10 ppm)	(3)

Meets the microbe requirements of the United States Pharmacopoeia.

- (1) FCC, Caffeine by HPLC (as is)
- (2) ICP-MS
- (3) USP 40. ND\* not detected within the lowest detection limits
- (4) AOAC, MPN, FDA BAM
- (5) FCC (Karl Fisher)
- (6) Internal AFS Method

PurCaf™ is an Allergen Free Product as defined by the Food Allergy Labelling and Consumer Protection Act of 2004. Product contains no additives, carriers and excipients.

\*Manufactured under ORGANIC NOP compliance Certificate No. ORG/SC/1310/001438

## **Main characteristics**

PurCaf™ is odorless and slightly bitter in solution.

Solubility in water : soluble in water

Specific Gravity : ~ 1.23

There is no evidence to demonstrate or suggest a hazard when employed at levels that are currently in use.

## **Allergen**

The AFS Green Coffee Bean extract, PurCaf™, is **free** from the following known allergens:

Milk Eggs

Fish Shellfish / Shrimp

Nuts Wheat

Soybeans Lactose

Gluten

For the full list of free allergens in the AFS green coffee extract please refer to AFS PurCaf™ Allergen Statement.

## **Packing**

Available in 5 or 25 kg fiber or food grade plastic drums with polyethylene bags.

## **Storage**

Hydroscopic. Store in well-closed containers in a dry place at ambient temperature (15-20°C). Material should be re-tested after storage for two years.

## **Sterilization**

Non contact steam heat in drying operation.

## **Applications**

### Pharma & Nutritional Supplements

PurCaf™ is used as a nutritional supplement in tablet or capsule form. As an energy stimulator in food and beverage applications.

## **FURTHER INFORMATION**

For more detailed product information please refer to the separate product leaflets. For samples, technical service and further information, please contact your Sales Office or agent, or:

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