



SPECIFICATION SHEET

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

	Specification	Method ID
Appearance	Off White Powder	visual
Identification	Positive	FT-NIR
Odor	Bland, Chalky, Slightly sweet	Organoleptic
Flavor	Bitter	Sensory
Moisture	< 0.5%	FCC (Karl Fischer)
Caffeine Content (as is)	94.5%-99.0%	FCC, Caffeine by HPLC
Lead	< 0.25 ppm	ICP-MS AOAC 2013.06
Solubility	99.5% +/- 0.5%	(1)
Arsenic	< 0.15 ug/g	ICP-MS AOAC 2013.06
Cadmium	< 2.5 ug/g	ICP-MS AOAC 2013.06
Mercury	< 1.50 ug/g	ICP-MS AOAC 2013.06
Heavy Metals	< 10 ppm	ICP-MS AOAC 2013.06
<i>E. coli</i>	negative / 25 g	USP <62>
Total Coliform	< 3 MPN/g	AOAC 996.24, MPN, FDA BAM
<i>Salmonella</i>	negative / 375 g	USP <62>
<i>Staphylococcus</i>	negative / 25 g	USP <62>
Yeast & Mold	< 100 cfu /g	USP <61>
Aerobic Total Plate Count	< 1,000 cfu/g	AOAC 990.12, FDA BAM
Residual Solvents	ND* (< 10 ppm)	USP <467>

Meets the microbe requirements of the United States Pharmacopoeia.

(1) Internal AFS SOP-04-008, Ref for 0.50 w/w% solution

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 Gluten

Fish Shellfish / Shrimp

Nuts Wheat

Soybeans Lactose

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

Aflatoxin:

- Aflatoxin B1: < 2 ppb

- Aflatoxin B2, G1, G2 or sum of aflatoxins: < 3-5 ppb

- Ochratoxin A or B: < 3-5 ppb

- Fumonisin: < 100 ppb

Pesticide Screens: Comply with the USP34-NF29:561 requirements, US NOP Organic Requirements

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.

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Internal Release Document: Applied Food Sciences Inc.

FOR-03-006(024-F)

06/27/2023