



SPECIFICATION SHEET

PRODUCT: ORGANIC Caffeine
Product Name: PurTea
Product Number: 09022090
Product Code: PurTea-90
Ingredient Contents: 100% Green Tea

Standardized For: 90% Caffeine

Manufactured with: 100% Pure Green Tea Leaves (*Camellia sinensis*); Water extraction.

	Specification	Method ID
Appearance	Off White	Visual
Assay	> 97.0%	USP <731>
Caffeine Content	93 ± 2.5%	HPLC
Lead	< 0.25 ppm	ICP-MS AOAC 2013.06
Solubility	> 98%	(1)
Arsenic	< 0.15 ppm	ICP-MS AOAC 2013.06
Cadmium	< 2.5 ppm	ICP-MS AOAC 2013.06
Mercury	< 1.5 ppm	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>Pseudomonas aeruginosa</i>	negative / 25 g	USP <62>
<i>Staphylococcus</i>	negative / 25 g	USP <62>
Yeast & Mold	< 100 colonies /g	USP <61>
Aerobic Total Plate Count	< 10 ⁴ 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

ND* not detected, within the lowest detection limits

Allergen Specifications

PurTea green tea extract, is **free** from the following known allergens:

Milk	Eggs
Fish	Shellfish / Shrimp
Nuts	Wheat
Soybeans	Lactose

Mycotoxin Screen:

- Aflatoxin B1: < 2 ppb
- Aflatoxin B2, G1, G2 or sum of aflatoxins: < 5 ppb
- Ochratoxin A or B: < 5 ppb
- Fumonisin: < 100 ppb

Pesticide Screen: Comply with the USP34-NF29:561 requirements

Packing Specifications

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

Storage Specifications. 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 Specifications

Non-contact steam heat in drying operation. No radiation sterilization methods applied.

CONFIDENTIAL DOCUMENT – DO NOT COPY, DO NOT DISTRIBUTE

Internal Release Document: Applied Food Sciences Inc.

FOR-03-006(033-G)