



AFS FOR-03-006  
(054-E)



## SPECIFICATION SHEET

PRODUCT: **Organic Curcumin Extract, 95% curcuminoids**

PRODUCT CODE: **CleanStream™**, 09103090

**Ingredient composition:** 98% turmeric, 2% inactive Gum acacia

**Botanical Name:** *Curcuma longa*

**Plant Part utilized:** Rhizomes

### Specifications

	Specification	Method ID
Appearance	Orange beadlets	visual
Assay	NLT 95% curcuminoids	USP <sup>1</sup>
Loss on Drying	NMT 2.5%	USP <731>
Lead	< 0.25 ppm	ICP-MS AOAC 2013.06
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
Residual Solvent	< 5000 ppm	USP <467>
<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 cfu /g	USP <61>
Aerobic Total Plate Count	< 10 <sup>4</sup> cfu/g	AOAC 990.12, FDA BAM
Density	> 0.40 g/ml	Bulk

Country of Origin: INDIA

Meets the microbe requirements of the United States Pharmacopoeia.

(1) Method of analysis HPLC, USP 35-NF30, Pharmacopoeial Forum: Volume No. 33(6) Page 1232

### Allergen

The AFS CleanStream™, is **free** from the following known allergens:

Milk	Eggs
Fish	Shellfish / Shrimp
Nuts	Wheat
Soybeans	Lactose

For the full list of free allergens in the AFS turmeric extracts please refer to AFS Allergen Statement.

**Packing**

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

**Storage**

Highly hygroscopic. 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**

Dietary Supplements. CleanStream™ is a naturally derived extract from the turmeric root/rhizome, standardized for active curcuminoids.

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**Internal Release Document: Applied Food Sciences Inc.**

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