

## **Product Specification**

### **Solvent Free™ Curcumin 95% Powder**

**Botanical Source:** Turmeric (*Curcuma longa*)

**Plant Part Used:** Rhizome

**Country of Origin:** India

**Appearance:** Powder

**Color:** Yellow

**Solubility:** Methanol, Ethanol, Acetone, glacial acetic acid, insoluble in water

**HPLC Identification:** Curcumin (Not less than 70%), Bisdemethoxycurcumin (Not less than 3%), Demethoxycurcumin (Not less than 7%)

**Total Curcuminoids by HPLC:** Not less than 95% w/w

**Loss on Drying:** Not more than 5%

**Heavy Metals (USP <231>):** Not more than 10ppm

**Lead (ICP-MS):** Not more than 2ppm

**Pesticide Residues (FDA PAM):**

Organophosphate (LOQ 50ppb) : Below LOQ

Organochlorine (LOQ 200ppb) : Below LOQ

**Residual Solvents (USP<467>):** Below LOQ for Class 1,2a, 2b and 3 solvents

Dichloromethane: <1ppm

Dichloroethanes: <1ppm

Ethyl acetate: <1ppm

Hexane: <1ppm

Acetone: <5ppm

Methanol, Ethanol, Isopropanol: <1ppm

**Microbiological Profile (USP<61>):**

Total Plate Count: Less than 1000cfu/g

Yeast and Mold: Less than 100cfu/g

*E. coli*, *Salmonella* sps, *Staphylococcus aureus*, *Pseudomonas aeruginosa* : Negative

**Storage and Shelf-life:** Store protected from light in a cool dry place, preferably refrigerated. Stable for three years from the date of manufacture when stored as specified.