

# PRODUCT SPECIFICATION SHEET



## LONGVIDA® SD

**LATIN NAME:**  
*Curcuma longa*

**COMMON NAME:**  
Turmeric

**HARVEST SEASON:**  
November - February<sup>1</sup>

**ORIGIN:**  
India

**PLANT PART USED:**  
Rhizome

**HARVEST METHOD:**  
Cultivated

**Product Code: LVA279EFPH**

PHYSICAL CHARACTERISTIC	SPECIFICATION	TEST METHOD
Identification	Positive	TLC/HPLC
Appearance	Powder <sup>2</sup>	Visual
Color	Orangish-yellow <sup>3</sup>	Visual
Odor	Characteristic	Organoleptic
Taste	Characteristic	Organoleptic
Particle size	NLT 90.00% thru 60 mesh <sup>4</sup>	USP <786>

CHEMICAL ANALYSIS	SPECIFICATION	TEST METHOD
Assay for Actives		
Total Curcuminoids	Target 23.00%	By HPLC
Curcumin	NLT 16.00%	By HPLC
pH	3-8	USP <791>
Solubility		
in water @ 90°C	Partially soluble	IP
in alcohol	Mostly soluble	IP
Water Soluble Extractives	Report	IP

IMPURITIES	SPECIFICATION	TEST METHOD
Total heavy metals	< 10 ppm	USP <231>
Lead	< 2 ppm	AAS/ICP-MS
Mercury	< 2 ppm	AAS/ICP-MS
Arsenic	< 1 ppm	AAS/ICP-MS
Cadmium	< 1 ppm	AAS/ICP-MS
Residual Solvents	USP <467> Screen <sup>5</sup>	USP <467>
Pesticides Residue	USP <561> Screen	USP <561>

MICROBIOLOGY	SPECIFICATION	TEST METHOD
Total plate count	< 10000 cfu/g	USP
Yeast & mold	< 1000 cfu/g	USP
Escherichia coli	Absent/10g	USP
Salmonella	Absent/10g	USP
Coliform	< 100 cfu/g	USP
Staph Aureus	Absent/10g	USP
Enterobacteriaceae	< 100 cfu/g	USP

<sup>1</sup>Harvest season is subject to change based on environmental changes.

<sup>2</sup>Material has an inherent tendency to form clumps due to its hygroscopic nature.

<sup>3</sup>Color of botanical products is subject to seasonal conditions and may vary from lot to lot.

<sup>4</sup>Particle size results may vary due vary to nature of material.

<sup>5</sup>Class 1, 2a, 2b, and selected Class 3

### Ingredient Disclosure

*Curcuma longa* extract  
Soy Lecithin  
Maltodextrin  
Ascorbyl (Vitamin C) Palmitate  
Stearic Acid  
Silicon Dioxide

**Packaging:** 5 kgs net weight double bagged  
**Shelf Life:** 36 months from manufacture date  
**Storage:** Room temperature, away from light and moisture

**Created:** December, 2010  
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