

QUALITY CONTROL TECHNICAL DATA SHEET CURCUMIN 95% DC GRANULES

Product Name : Curcumin 95% DC Granules **Product Code** : TUE95DC
Country of Origin : India **Plant Part Used** : Rhizome

Characteristic	Specification	Test Method
Physical		
Identification	Positive	HPLC
Appearance	Granules Powder	Visual
Color	Yellowish Orange	Visual
Odor & Taste	Characteristic	Organoleptic
Particle Size	Pass 20mesh NLT 95% Pass 60mesh NMT 15%	USP 40 <786> USP 40 <786>
Bulk Density	0.5 gm/ml to 0.7 gm/ml	USP 40 <616>
Tap Density	0.6 gm/ml to 0.9 gm/ml	USP 40 <616>
Chemical		
Total Curcuminoids	NLT 95%	Internal HPLC Method
Curcumin	70-80%	Internal HPLC Method
Demethoxycurcumin	15-25%	Internal HPLC Method
Bisdemethoxycurcumin	2-5%	Internal HPLC Method
Loss on Drying (Moisture)	NMT 2%	USP 731
pH	4 - 8	USP 791
Herb Extract Ratio	50:1	In House Specification
Solubility (In Water)	Insoluble	IP
Additives	None	In House Specification
Residual Solvent		
Extraction Solvent	Ethyl Acetate	In House Specification
Residual Solvent	Complies	USP 43 <467>
Heavy Metals		
Lead	NMT 1 ppm	ICP-MS
Mercury	NMT 0.2 ppm	ICP-MS
Arsenic	NMT 1 ppm	ICP-MS
Cadmium	NMT 1 ppm	ICP-MS
Microbiology		
Total Plate Count	NMT 5000 cfu/gm	AOAC BAM
Yeast & Mould	NMT 100 cfu/gm	AOAC BAM
E.Coli	Absent / 10gm	AOAC BAM
Salmonella	Absent / 25 gm	AOAC BAM

Shelf Life : 36 months from mfg. date in original packing under unopened condition
Storage : Store in a cool dry place, away from sunlight, moisture, at room temperature

Note: There might be minor color variation from batch to batch on account of seasonal variation of the raw material. Color variation does not impact the efficacy and quality of the final product.

