

TECHNICAL SPECIFICATION			
PRODUCT NAME		BOTANICAL NAME	PLANT PART USED
TURMERIC EXTRACT 95% USP HBD POWDER		<i>Curcuma Longa L</i>	Rhizome
PRODUCT CODE	EXTRACTION METHOD	ORIGIN COUNTRY	HERB RATIO
TUE95UB	Ethyl Acetate	India	50:1
DOC No. & REV No.	SUPERCEDES	EFFECTIVE DATE	REVIEW DATE
FSSC/8.5/F8/TUE005-00	NIL	01.04.2021	31.03.2024

S. No.	PARAMETER	SPECIFICATION	TEST METHOD
<b>A</b>	<b>PHYSICAL</b>		
A1	Description	Orange Yellow Powder having characteristic odour & taste	Organoleptic
A2	Identification	Positive for Curcuminoids	USP
A3	Particle Size	NLT 95% through 20#	USP <786>
A4	Loose Bulk Density	0.50 gm/ml - 0.70 gm/ml	USP <616>
A5	Tapped Density	0.60 gm/ml - 0.80 gm/ml	USP <616>
<b>B</b>	<b>CHEMICAL</b>		
B1	Total Curcuminoids	NLT 95% On Dry Basis	USP
	Curcumin	70% - 80%	USP
B2	Desmethoxycurcumin	15% - 25%	USP
	Bisdemethoxycurcumin	2.5% - 6.5%	USP
B3	Loss on Drying	NMT 2%	USP <731>
B4	pH	04 - 08	USP <791>
B5	Solubility in Water	Insoluble	In House
<b>C</b>	<b>RESIDUAL SOLVENT</b>		
C1	Residual Solvents	Complies as per USP	USP <467>
<b>D</b>	<b>HEAVY METALS</b>		
D1	Lead	NMT 0.5 ppm	USP <2232>
D2	Mercury	NMT 0.1 ppm	USP <2232>
D3	Arsenic	NMT 1 ppm	USP <2232>
D4	Cadmium	NMT 1 ppm	USP <2232>
<b>E</b>	<b>MICROBIOLOGY</b>		
E1	Total Plate Count	NMT 5000 cfu/gm	USP <2021>
E2	Enterobacterial Count	NMT 100 cfu/gm	USP <2021>
E3	Yeast & Mould	NMT 100 cfu/gm	USP <2021>
E4	Coliforms	NMT 10 cfu/gm	BAM 2001
E5	Escherichia Coli	Absent/10gm	USP <2022>
E6	Salmonella	Absent/10gm	USP <2022>
E7	Staphylococcus aureus	Absent/10gm	USP <2022>
<b>F</b>	<b>PESTICIDES</b>		
F1	Pesticides	Complies as per USP	USP <561>
<b>G</b>	<b>OTHER DETAILS</b>		
G1	Packaging Details	Net 25kg in double-lined food-grade LLDPE polybag packed in a HDPE drum.	
G2	Shelf Life	36 months from year of manufacturing.	
G3	Storage	Store in dry & air tight containers, away from sunlight, at room temperature.	
G4	Note	Seasonal variation of the raw material might lead to minor colour variation. Colour variation does not impact the efficacy and quality of the product.	