

SPEIFICATION

Created Date 2023.3.17 Review Date 2023.3.17 Review By: Grace Version No:02

Product name: Turmeric Extract Granulated			
Botanical Name	<i>Curcuma longa L.</i>	Part	Root
Origin	China	CAS number	458-37-7
Source	Plant	Solvent Used	Ethanol & Ethyl acetate
Item	Standard	Analysis Method	
Appearance	Orange yellow granular	Visual	
Odor & Taste	Characteristic	Organoleptic	
Solubility	Insoluble in water	/	
Typical Analysis			
Identification	TLC Test	TLC	
Total Curcuminoids	≥ 95.00%	HPLC	
Curcumin	Test only	HPLC	
Desmethoxycurcumin	Test only	HPLC	
Bisdemethoxycurcumin	Test only	HPLC	
Particle Size	NLT 95% through 20 meshes	US #20 Sieve	
Loss on drying	≤ 2.0%	USP43-NF38<731>	
Ash	≤ 2.0 %	USP43-NF38<281>	
Benzo(a)pyrene	≤10µg/kg	(EU) 2015/1933	
PAH4	≤50µg/kg	(EU) 2015/1933	
Heavy Metals			
Heavy metals	≤ 10ppm	Atomic Absorption	
Arsenic (As)	≤ 1.0ppm	Atomic Absorption	
Lead (Pb)	≤ 3.0ppm	Atomic Absorption	
Cadmium (Cd)	≤ 1.0ppm	Atomic Absorption	
Mercury (Hg)	≤ 0.1ppm	Atomic Absorption	
Microorganism			
Total Bacterial Count	<1000cfu/g	USP43-NF38<2021>	
Total Molds Count	<100cfu/g	USP43-NF38<2021>	
Staphylococcus aureus	Negative	USP43-NF38<2022>	
Salmonella	Negative	USP43-NF38<2022>	
E. Coli	Negative	USP43-NF38<2022>	
Package	N.W. 25Kgs/fiber drum and two plastic bags inside.		
Shelf life	3 Year When Properly Stored		
Storage	Store in well-closed container at room temperature, protect from light, moisture and pest infestation.		
Sterilization Method	High-temperature sterilization, Non-irradiated, None-GMO, Non-Allergens, Non-Gluten.		