

## NATIONAL SUSTAINABLE SPICE PROGRAMME

<https://www.nssp-india.org/>

<b>RAW MATERIAL SPECIFICATIONS</b>	
<b>PRODUCT- TURMERIC WHOLE (Curcuma longa L)</b>	
<b>Export Quality</b>	
<b>Product Description</b>	Whole turmeric is a tuberous rhizome, with a rough, segmented skin. The rhizome is yellowish-brown with a dull orange interior that looks bright yellow when powdered with a characteristic pungent, bitter taste.
<b>Origin</b>	India
<b>Grade</b>	IPM
<b>Physical &amp; Cleanliness characteristics</b>	It should be free from infestation and mould.
	Whole Insects, Dead (No: Max) 3
	Excreta, Mammalian (mg/lb, Max) 5.0
	Excreta, Other (mg/lb, Max) 5.0
	Mould (% , Max) 1.0
	Insect Damaged (% Max) 1.0
	Defective rhizomes (% , Max) 5.0
	Extraneous and Foreign matter (% ,Max) 3.0
<b>Chemical characteristics</b>	Moisture (% max) 11.0
	Total Ash (% , Max) 9.0
	Acid Insoluble Ash (% , Max) 1.5
	Curcumin Vary depending on variety
<b>Food safety related acceptance criteria</b>	Lead (ppm, Max) 2.0
	Magnetic(Iron, Nickel) Absent
	Lead Chromate Absent
	Non Magnetic (Copper, Aluminium, Zinc) Absent
	Aflatoxin B1 (ppb, Max) 5.0
	Aflatoxin Total (ppb, Max) 10.0
	Ochratoxin Total (ppb, Max) 15.0
	Salmonella in 25 g sample Absent
	Free from Allergens such as Peanut, Gluten, Mustard, sesame etc.
	Free from allergens such as other roots or illegal dyes
Pesticide residue shall comply with the regulations of destination country.	
<b>Packaging and delivery</b>	Net Qty. 50 Kg in PP bags by truck or in food container
<b>Storage condition</b>	Stored in a dry place protected from sunlight. The products are stored in an area free from pests and rodents and other contaminants.
<b>Shelf Life</b>	The material shall be freshly packed, with characteristic odour and flavor. The material must be used within three month from date of purchase and immediately once the bag is opened. Resample and analyze in case the material stored more than the given timeline and use as per QC instruction.

<b>Pesticide residues and their maximum limits (mg/kg)</b>			
Chlorpyrifos	0.01	Cyfluthrin	0.1
Metalaxyl	0.05	Bifenthrin	0.05
Phorate	0.1	Carbendazim	0.1