

## NATIONAL SUSTAINABLE SPICE PROGRAMME

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

RAW MATERIAL SPECIFICATIONS		
PRODUCT- CUMIN WHOLE( <i>Cuminum cyminum</i> )		
Export Grade		
<b>Product Description</b>	Cumin whole is the dried seed of <i>Cuminum cyminum</i> L. consisting of two elongated pericarps, which remained joined, measuring approximately 5 mm length and 1 mm width, Each pericarp of grey ochre colour.	
<b>Origin</b>	India	
<b>Grade</b>	IPM	
<b>Physical &amp; Cleanliness characteristics</b>	It should be free of infestation and mould.	
	Extraneous and Foreign matter (% ,Max)	2.0
	Whole insects (No.s, Max.)	4
	Excreta, Mammalian (mg/lb, Max)	3.0
	Excreta, Other (mg/lb, Max)	5.0
	Discoloured /Shrivelled /Immature seeds (% Max)	5.0
<b>Chemical characteristics</b>	Mould (% , Max)	1.0
	Moisture (% , Max)	10.0
	Total Ash (% , Max)	9.5
	Acid Insoluble Ash (% , Max)	3.0
	Volatile oil (% , Min.)	1.5
	NVEE (% , Min.)	15.0
<b>Biological characteristics</b>	Free from rodent contamination and pathogens	
<b>Food safety related acceptance criteria</b>	<u>Heavy metal contamination:</u>	
	Lead (ppm, Max)	2
	Mercury (ppm, Max)	1
	Cadmium (ppm, Max)	1.5
	Arsenic (ppm, Max)	2
	Magnetic (Iron, Nickel)	Absent
	Non Magnetic (Copper, Aluminium, Zinc)	Absent
	Aflatoxin B1 (ppb, Max)	5
	Aflatoxin Total (ppb, Max)	10
	Ochratoxin Total (ppb, Max)	15
	Salmonella in 25 g sample	Absent
	Free from all Adulterants such as Grass seeds, Stone powder, Illegal dyes.	
	Free from Allergens such as Peanut, Gluten, Mustard, sesame etc.	
	Pesticide residue shall be complied with the regulation as per the country of destination.	
<b>Packaging and delivery method</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 characteristics 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.	