

Schedule-XXIV

(See rule 4)

Grade designations and quality of Cumin (Whole)

Grade Designation	Quality									
	Special Characteristics (percent by mass)									
	Organic extraneous matter	Inorganic extraneous matter	Damaged, shrivelled, discoloured and immature seeds	Moisture	Total ash on dry basis	Ash insoluble in Dil. HCl, on dry basis	Non-volatile ether extract on dry basis	Volatile Oil on dry basis, percent(v/w)	Edible seeds other than cumin seeds	Insect damaged matter
	(Maximum)	(Maximum)	(Maximum)	(Maximum)	(Maximum)	(Maximum)	(Minimum)	(Minimum)	(Maximum)	(Maximum)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Special	1.0	0.5	3.0	9.0	8.0	1.0	16.0	2.5	Nil	0.20
Standard	2.0	1.0	4.0	10.0	9.5	2.5	15.0	1.5	Nil	0.50
General Characteristics										
(12)										
(1) It shall be dried wholesome mature seeds of <i>Cuminum cyminum</i> L. of family <i>Apiaceae</i> ; (2) Its flavour shall be characteristic aromatic flavor of the Cumin and free from mustiness and rancidity; (3) It shall be free any from any added colouring matter any other harmful substances; (4) It shall be free from mould growth, insects infestation, living and dead insects, insect fragments and rodent contamination; (5) It shall comply with restrictions in regard to Aflatoxins, Heavy Metals, Insecticide or Pesticide residue, naturally occurring toxic substances, Microbial load or other food safety requirements as specified in the Food Safety and Standards (Contaminants, Toxins and Residues) Regulations, 2011 and the Food Safety and Standards (Food Products Standards and Food Additives) Regulations, 2011 or any other Regulation notified under the Food Safety and Standards Act, 2006 for domestic trade. (6) It shall comply with restrictions in regard to Aflatoxins, Heavy Metals, Insecticide or Pesticide residue, naturally occurring toxic substances, Microbial load or other food safety requirements as specified by the Codex Alimentarius Commission or importing Countries requirements for exports.										

Explanations .-

- (a) DD Damaged, shrivelled, discoloured and immature seeds” - includes broken, dis-coloured, shriveled and immature fruits.
- (b) “Inorganic extraneous matter” - Such as dust, dirt, stones and lumps of earth.
- (c) “Organic extraneous matter” - Such as chaff, stems, straw;
- (d) Insect damaged matter - The produce internally or partially bored or damaged by pest/insect

Note: The Volatile Oil content shall be determined immediately after grinding.