

Food Safety and Standards Regulations



About Food Safety and Standards Authority of India

Food Safety and Standards Authority of India (FSSAI) is a statutory body established under the Ministry of Health & Family Welfare, Government of India.[4] The FSSAI has been established under the Food Safety and Standards Act, 2006, which is a consolidating statute related to food safety and regulation in India. FSSAI is responsible for protecting and promoting public health through the regulation and supervision of food safety. The FSSAI appoints food safety authorities on the state level.

Scope of Document

This document illustrates the food safety standards regulations established in India, which are vital for sellers and buyers.

Purpose of Document

The Food Safety and Standards Act (FSS), is the primary law for the regulation of food products. This act also sets up the formulation and enforcement of food safety standards in India. Food Safety and Standards (Food Product Standards and Food Additives) Regulation, 2011 establishes stringent for Spice Condiments and related products; Food Safety and Standards (Contaminants, Toxins and Residues) Regulations illustrates the major contaminants present in spices. These standards are critical for imports and exports of spice products to and from India.

Spice	Extraneous Matter (% of weight)	Moisture (% of weight)	Total ash on dry basis (% of weight)	Ash insoluble in dil.HCL on dry basis (% of weight)	Volatile oil content (% of v/w)	Insect Damaged Matter (% of weight)	Special
Cardamom Whole	< 1.0	< 13.0	< 9.5	-	> 3.5	< 1.0	Empty and malformed capsules by count < 3.0 % by weight Immature and shrivelled capsules < 3.0 % by weight
Cardamom Seeds	< 2.0	< 13.0	< 9.5	-	> 3.5	< 1.0	Light seeds < 3.0 % by weight
Cardamom Powder	-	< 11.0	< 8.0	< 3.0	> 3.0	-	-
Chillies	< 1.0	< 8.0	< 1.3	< 1.0	-	-	Unripe fruits < 2.0 % by weight Broken fruits, seeds & fragments < 5.0 % by weight
Chilli Powder	< 11.0	-	< 8.0	< 30.0	-	-	Crude fibre < 30.0 % by weight
Cinnamon Whole (Dalchini)	< 1.0	< 12.0	< 7.0	< 2.0	> 0.7	< 1.0	-
Cinnamon Powder(Dalchini)	-	< 12.0	< 7.0	< 2.0	> 0.5	-	-
Cloves	-	< 12.0	< 5.0	< 1.0	> 1.5	-	Headless cloves < 2.0 % by weight
Clove Powder	-	< 10.0	< 7.0	< 0.5	> 16.0	-	Crude fibre < 13.0 % by weight

Dried Ginger	< 1.0	< 12.0	< 8.0 (unbleached) < 12.0 (bleached)	-	> 1,5	< 1.0	Ca or CaO on dry basis < 1.1 % by weight (unbleached); < 2.5% by weight (bleached)
Dried Ginger Powder	-	< 12.0	< 8.0 (unbleached) < 12.0 (bleached)	-	> 1.0	-	Ca or CaO on dry basis < 1.1 % by weight (unbleached); < 2.5% by weight (bleached) Water Soluble ash on dry basis < 1.0 % by weight Cold water soluble extract > 10.9% by weight
Mace	< 0.5	< 10.0	< 4.0	< 0.5	> 7.5	< 1.0	Nutmeg in mace < 1.0 % by weight
Mace Powder	-	< 10.0	< 3.0	< 0.5	> 5,0	-	Crude fibre < 10.0 % by weight Non volatile ether extract > 20 and < 30 % by weight
Nutmeg	Absent	< 10.0	< 3.0	< 0.5	> 6.5	-	Mace in Nutmeg < 10.0 % by weight Water insoluble ash < 1.5 % by weight
Nutmeg Powder	-	< 8.0	< 3.0	< 0.5	> 6.0	-	Water insoluble ash < 1.5 % by weight Crude fibre < 10.0 % by weight
Pepper Black	< 1.0	< 13.0	< 6.0	-	> 2.0	< 1.0	Light berries < 5 % by weight

							Pinheads or broken berries < 4.0% by weight Piperine content > 4.0 % by weight
Pepper Black Powder	-	< 12.5	< 6.0	< 1.2	> 4.0	-	Piperine content on dry basis > 4.0 % by weight
Turmeric	< 1.0	< 12.0	-	-	-	< 1.0	Defectice rhizomes < 5.0 % by weight Test for Lead Chromate - Negative
Turmeric Powder	-	< 10.0	< 9.0	< 1.5	-	-	Colouring powder > 2.0 % by weight Total Starch < 60.0 % by weight Test for Lead Chromate - Negative
Pepper White	< 0.8	< 13.0	< 3.5	-	> 1.0	< 1.0	Broken Berries < 3.0 % by weight Piperine content on dry basis > 4.0 % by weight
Pepper White Powder	-	< 13.0	< 3.5	< 0.3	> 0.7	-	Crude fibere on dry basis < 6.5 % by weight Piperine content on dry basis > 4.0 % by weight

Table1: Safety Standards for Spices and Herbs



Note: (1) The extraneous matter wherever prescribed, shall be classified as follows: a) Organic extraneous matter such as chaff, stems, straw. b) Inorganic extraneous matter such as dust, dirt, stones and lumps of earth. This shall not exceed 2 percent by weight of the total extraneous matter.

Name of Contaminants	Parts / million by weight
Lead	10.0 on dry matter
Arsenic	5.0
Inorganic Bromide	400.00 mg/kg.ppm) tolerance limit

Table 2: Safety Standards for Contaminants and Residues

Contact Information

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