

Laboratory **Banday Impex Pvt. Ltd., Agro Division, Phase-II, Food Park, Khunmoh, Srinagar, Jammu & Kashmir**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-7899**

Page 1 of 2

Validity **26.09.2018 to 25.09.2020**

Last Amended on

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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CHEMICAL TESTING

I.	FOOD & AGRICULTURAL PRODUCTS			
1.	Ground & Whole Spices	Moisture	IS 1797:1985 (RA 2009)	1.0 % to 13.0 %
		Total ash (on dry basis)	IS 1797:1985 (RA 2009)	1.0 % to 9.0 %
		Acid insoluble ash(on dry basis)	IS 1797:1985 (RA 2009)	0.1 % to 3.0 %
		Nonto Volatile Ether Extract	IS 1797:1985 (RA 2009)	6.0 % to 20.0 %
		Crude fiber	IS 1797:1985 (RA 2009)	1 % to 30.0 %
		Volatile Oil(on dry basis)	IS 1797:1985 (RA 2009)	0.5 % to 17.0 %
2.	Chilli	Added oil soluble coal tar dye	IS 15642 (Part 1): 2006 (RA 2011)	Qualitative (Present/Absent)
3.	Turmeric	Curcumin content	IS 10925:1985 (RA 2012)	2.0 % to 4.0 %
		Starch	IS 4706:1978 (RA 2005)	1.0 % to 60 %
		Lead Chromate	IS 3576:2010	Qualitative (Present/Absent)
4.	Ginger	Water Soluble ash (on dry basis)	IS 1797:1985 (RA 2009)	1.0 % to 2.0 %
		Alcohol Soluble Extract(on dry basis)	IS 1797:1985 (RA 2009)	5.0 % to 10.0 %
		Cold water Soluble Extract(on dry basis)	IS 1797:1985 (RA 2009)	11.4 % to 70.0 %
5.	Mixed Spices	Salt	IS 1797:1985 (RA 2009)	0.1 % to 25.0 %
6.	Black pepper	Bulk density	IS 1797:1985 (RA 2009)	490 g/litre to 500 g/litre
		Light berries	IS 1797:1985 (RA 2009)	1.0 5 to 5.0 %
		Pin heads or broken berries	IS 1797:1985 (RA 2009)	1.0 % to 4.0 %
7.	Whole Spices	Extraneous Matter	IS 1797:1985 (RA 2009)	1.0 % to 5.0 %
		Insect damaged matter	IS 1797:1985 (RA 2009)	0.5 % to 1.0 %
		Other Edible seeds	IS 1797:1985 (RA 2009)	Qualitative (Present/Absent)

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		Defective seeds	IS 1797:1985 (RA 2009)	1.0 % to 5.0 %
8.	Coriander	Split fruits	IS 1797:1985 (RA 2009)	4.0 % to 6.0 %
		Broken damaged seeds	IS 1797:1985 (RA 2009)	1.0 % to 5.0 %
9.	Cloves	Tendrils or Mother cloves	IS 1797:1985 (RA 2009)	1.0 % to 2.0 %
		Headless cloves	IS 1797:1985 (RA 2009)	1.0 % to 2.0 %
		Cold water Soluble Extract (on dry basis)	IS 1797:1985 (RA 2009)	11.4 % to 70.0 %
10.	Cardamom	Empty or malformed capsules	IS 1797:1985 (RA 2009)	1.0 % to 2.0 %
11.	Nutmeg	Mace in Nutmeg	IS 1797:1985 (RA 2009)	0.5 % to 1.0 %
12.	Mace	Nutmeg in Mace	IS 1797:1985 (RA 2009)	0.5 % to 1.0 %
13.	Saffron	Moisture	IS 5453 (Part 2): 1996 (RA 2012)	1.0 % to 12.0 %
		Bitterness as Picrocrocin at 257 nm	IS 5453 (Part 2): 1996 (RA 2012)	30.7 to 70.0
		Safranal at 330 nm	IS 5453 (Part 2): 1996 (RA 2012)	20.0 to 50.0
		Coloring strength as crocin at 440 nm	IS 5453 (Part 2): 1996 (RA 2012)	80.0 to 190.0