

**Laboratory** **Regional Agmark Laboratory, Directorate of Marketing & Inspection,  
4<sup>th</sup> Floor, Kendriya Sadan Parisar, Block-A, Sector-10, Vidhyadhar  
Nagar, Jaipur, Rajasthan**

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

**Discipline** **Chemical Testing**

**Issue Date** **07.11.2016**

**Certificate Number** **T-2992**

**Valid Until** **06.11.2018**

**Last Amended on** **-**

**Page** **1 of 5**

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>I. FOOD &amp; AGRICULTURAL PRODUCTS</b>				
<b>1. Herbs, Spices &amp; Condiments</b>				
<b>a. Turmeric Powder</b>	Moisture		IS 1797: 1985 (RA 2009)	1.0 % to 20 %
	Total Ash (on dry basis)		IS 1797: 1985 (RA 2009)	0.5 % to 10 %
	Acid insoluble Ash in dil HCl (on dry basis)		IS 1797: 1985 (RA 2009)	0.1 % to 1.0 %
	Curcuminoid content (on dry basis)		IS 10925: 1984	1 % to 6 %
	Total Starch		IS 4706 (Part 2): 1978 (RA 2005)	20 % to 70 %
	Lead Chromate Test		IS 3576: 2010	Qualitative
	Sieve Test passes through 300/500 microns sieve		IS 460 (Part 1): 1985	10 % to 100 %
	Added Starch		DGHS Lab Manual 10, 2005 Method 17	Qualitative
Added Colour		DGHS Lab Manual 08, 2005 Method 4.2	Qualitative	
<b>b. Chilli Powder</b>	Moisture		IS 1797: 1985 (RA 2009)	1.5 % to 20 %
	Total Ash (on dry basis)		IS 1797: 1985 (RA 2009)	2.0 % to 10 %
	Acid insoluble Ash in dil HCl (on dry basis)		IS 1797: 1985 (RA 2009)	0.1 % to 1.0 %

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**Last Amended on** **-** **Page** **2 of 5**

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	<b>Chilli Powder</b>	Crude fiber (on dry basis)	IS 1797: 1985 (RA 2009)	5 % to 40 %
		Non Volatile Ether Extract (on dry basis)	IS 1797: 1985 (RA 2009)	1 % to 30 %
		Added Colour	DGHS Lab Manual 08, 2005 Method 4.2	Qualitative
<b>c.</b>	<b>Corriander Powder</b>	Moisture	IS 1797: 1985 (RA 2009)	1.5 % to 20 %
		Total Ash (on dry basis)	IS 1797: 1985 (RA 2009)	2.0 % to 10 %
		Acid insoluble Ash in dil HCl (on dry basis)	IS 1797: 1985 (RA 2009)	0.1 % to 1.0 %
		Crude fiber (on dry basis)	IS 1797: 1985 (RA 2009)	5 % to 40 %
		Non Volatile Ether Extract (on dry basis)	IS 1797: 1985 (RA 2009)	1 % to 30 %
		Volatile oil (on dry basis)	IS 1797: 1985 (RA 2009)	0.09 % to 25 %
		Sieve Test passes through 500/1000 microns sieve	IS 460 (Part 1): 1985	10 % to 100 %
<b>d.</b>	<b>Cumin Powder</b>	Moisture	IS 1797: 1985 (RA 2009)	1.5 % to 20 %
		Total Ash (on dry basis)	IS 1797: 1985 (RA 2009)	2.0 % to 10 %
		Acid insoluble Ash in dil HCl (on dry basis)	IS 1797: 1985 (RA 2009)	0.1 % to 1.0 %
		Non Volatile Ether Extract (on dry basis)	IS 1797: 1985 (RA 2009)	1 % to 30 %

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**Last Amended on** **-** **Page** **3 of 5**

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	<b>Cumin Powder</b>	Volatile oil (on dry basis)	IS 1797: 1985 (RA 2009)	0.09 % to 25 %
		Sieve Test passes through 1000 microns sieve	IS 460 (Part 1): 1985	10% to 100%
		Added Colour	DGHS Lab Manual 08, 2005 Method 4.2	Qualitative
<b>e.</b>	<b>Fennel Powder</b>	Moisture	IS 1797: 1985 (RA 2009)	1.5 % to 20 %
		Total Ash (on dry basis)	IS 1797: 1985 (RA 2009)	2.0 % to 10 %
		Acid insoluble Ash in dil HCl (on dry basis)	IS 1797: 1985 (RA 2009)	0.1 % to 1.0 %
		Volatile oil (on dry basis)	IS 1797: 1985 (RA 2009)	0.09 % to 25 %
		Crude fiber (on dry basis)	IS 1797: 1985 (RA 2009)	5 % to 40 %
		Sieve Test passes through 800 microns sieve	IS 460 (Part 1): 1985	10 % to 100 %
		Added Colour	DGHS Lab Manual 08, 2005 Method 4.2	Qualitative
<b>f.</b>	<b>Ginger Powder</b>	Moisture	IS 1797: 1985 (RA 2009)	1.5 % to 20 %
		Total Ash (on dry basis)	IS 1797: 1985 (RA 2009)	2.0 % to 10 %
		Acid insoluble Ash in dil HCl (on dry basis)	IS 1797: 1985 (RA 2009)	0.1 % to 1.0 %
		Water soluble Ash on dry basis	IS 1797: 1985 (RA 2009)	0.5 % to 5 %
		Alcohol (90v/w) soluble extract (on dry basis)	IS 1797: 1985 (RA 2009)	2.5 % to 20 %

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**Last Amended on** **-** **Page** **4 of 5**

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	<b>Ginger Powder</b>	Cold water soluble extract (on dry basis)	IS 1797: 1985 (RA 2009)	5 % to 40 %
		Volatile oil (on dry basis)	IS 1797: 1985 (RA 2009)	0.09 % to 25 %
		Sieve Test passes through 1000 microns sieve	IS 460 (Part 1): 1985	10 % to 100 %
		Added Colour	DGHS Lab Manual 08, 2005 Method 4.2	Qualitative
<b>g.</b>	<b>Fenugreek Powder</b>	Moisture	IS 1797: 1985 (RA 2009)	1.5% to 20%
		Total Ash (on dry basis)	IS 1797: 1985 (RA 2009)	2.0% to 10%
		Acid insoluble Ash in dil HCl (on dry basis)	IS 1797: 1985 (RA 2009)	0.1% to 1.0%
		Crude fiber (on dry basis)	IS 1797: 1985 (RA 2009)	5 % to 40 %
		Cold water soluble extract (on dry basis)	IS 1797: 1985 (RA 2009)	5 % to 40 %
		Passes through 1000 microns sieve	IS 460 (Part 1): 1985	10 % to 100 %
		Added Colour	DGHS Lab Manual 08, 2005 Method 4.2	Qualitative
<b>h.</b>	<b>Black Pepper Powder</b>	Moisture	IS 1797: 1985 (RA 2009)	1.5 % to 20 %
		Total Ash (on dry basis)	IS 1797: 1985 (RA 2009)	2.0 % to 10 %
		Acid insoluble Ash in dil HCl (on dry basis)	IS 1797: 1985 (RA 2009)	0.1 % to 2 %

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**Last Amended on** **-** **Page** **5 of 5**

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	<b>Black Pepper Powder</b>	Crude fiber (on dry basis)	IS 1797: 1985 (RA 2009)	5 % to 40 %
		Non Volatile Ether Extract (on dry basis)	IS 1797: 1985 (RA 2009)	1 % to 30 %
		Volatile oil (on dry basis)	IS 1797: 1985 (RA 2009)	0.09 % to 25 %
		Piperine content (on dry basis)	AOAC M (19 <sup>th</sup> Edition) 987.07: 2012	1 % to 10 %
		Sieve Test passes through sieve 500/1000 microns	IS 460 (Part 1): 1985	10 % to 100 %
		Added Colour	DGHS Lab Manual 08, 2005 Method 4.2	Qualitative
<b>i.</b>	<b>Cardamom Powder</b>	Moisture	IS 1797: 1985 (RA 2009)	1.5 % to 20 %
		Total Ash (on dry basis)	IS 1797: 1985 (RA 2009)	2.0 % to 10 %
		Acid insoluble Ash in dil HCl (on dry basis)	IS 1797: 1985 (RA 2009)	0.1 % to 1.0 %
		Non Volatile Ether Extract (on dry basis)	IS 1797: 1985 (RA 2009)	1 % to 30 %
		Volatile oil (on dry basis)	IS 1797: 1985 (RA 2009)	0.09 % to 25 %
		Crude fiber (on dry basis)	IS 1797: 1985 (RA 2009)	5 % to 40 %
		Added Colour	DGHS Lab Manual 08, 2005 Method 4.2	Qualitative

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