

Laboratory Quality Assurance Laboratory of GRK and Company, VII/324A, 324B, Kakathuruthu Road, Eramalloor P.O., Alleppey Dist., Kerala

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 21.07.2015

Certificate Number T-2033 **Valid Until** 20.07.2017

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. FOOD & AGRICULTURAL PRODUCTS				
1.	Whole and Ground Spices (Black Pepper, Nutmeg, Turmeric, Ginger, Cumin, Fenugreek, Dil Seeds and Cardamom)	Moisture	4 th Edition ASTA 2.0, 1997	4 % to 40 %
		Volatile oil content	4 th Edition ASTA 5.0, 2010	0.5 % to 10 %
		Total Ash	4 th Edition ASTA 3.0, 1997	0.1 % to 10 %
		Acid insoluble ash	4 th Edition ASTA 4.0, 1997	0.1 % to 3 %
		Calcium as CaO	IS 1797 (Part 12): 1985 (RA 2009)	0.01 % to 10 %
		Curcumin	4 th Edition ASTA 18.0, 2004	0.5 % to 10 %
		Piperine	4 th Edition ASTA 12.1, 1997	0.5 % to 10 %
		Crude fibre	4 th Edition ASTA 7.0, 1997	1 % to 20 %
		Non Volatile Ether Extract	IS 1797 (Part 14): 1985 (RA 2009)	0.25 % to 50 %
		SO ₂ content	AOAC 962.16 , 2006	3 mg/kg to 1000 mg/kg
		Starch	4 th Edition ASTA 8.0, 1997	1 % to 70 %
		Water insoluble ash	IS 1797 (Part 7): 1985 (RA 2009)	0.1 % to 10 %
	Lead chromate test	IS 3576 : 2010	Qualitative	

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