

Laboratory Upasi Tea Research Foundation, Regional Centre, Vandiperiyar, Idukki District, Kerala

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5125 (in lieu of T-2314) **Page 1 of 1**

Validity 29.12.2016 to 28.12.2018 **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.	Tea	Determination of Total Ash	IS 13854:1994 (RA 2009) ISO 1575:1987	1-25 % w/w
		Determination of Water Soluble Ash & Water insoluble Ash	IS 13855:1993 (RA 2009) ISO 1576:1988	5-80 % w/w
		Determination of Acid Insoluble Ash	IS 13857:1993 (RA 2009) ISO 1577:1987	0-20 % w/w
		Determination of Alkalinity of Water Soluble Ash as KOH	IS 13856:1993 (RA 2009) ISO1578:1975	0.3-10 % w/w
		Determination of Water Extract	IS 13862:1999 (RA 2009) ISO 9768:1994	5-70 % w/w
		Determination of crude fibre	ISO 15598:1999(E)	2-50 % w/w
		Determination of loss in mass at 103°C	IS 13853:1994 (RA 2009) ISO 1573:1980	0-25 % w/w
		Estimation of Theaflavin	SOP NO. 17	0.05-3 % w/w
		Estimation of Thearubigin	Issue No:00 Issue Date:01.04.2011	0.15-20 % w/w
		Estimation of Highly Polymerized Substance	A decade of tea chemistry, 1981-90 (Part III) Tea Board, 1995	0.15-20 % w/w
		Estimation of Total liquor Colour		0.1-10
		Estimation of Caffeine	SOP NO. 53 Issue No:00 Issue Date:18.12.2013 Pearson's comparison & food analysis. Ronald S. Kirk & Ronald Sawyer, 1991 (9 th Edition) Pp.355-362	0.1 -7 % w/w