

Laboratory **Phoenix Cargo Controllers & Claims Adjusters, 7, Tollygunge Circular Road, New Alipore, Kolkata, West Bengal**

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

Certificate Number **TC-5755** Page 1 of 2

Validity **29.05.2017 to 28.05.2019** 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.	ANIMAL FEEDS			
1.	Animal feeds (Fish Meal / Meat Meal as Live Stock Ingredient, Soyabean Meal, Maise, Gluten meal, Rapeseed Meal, Sunflower and all Oil Cakes)	Moisture	IS 7874 (P-1)	0.5 % to 20 %
		Crude Protein	IS 7874 (P-1)	2 % to 60 %
		Crude Fat	IS 7874 (P-1)	0.5 % to 20 %
		Acid Insoluble Ash	IS 7874 (P-1)	0.2 % to 10 %
		Crude Fiber	IS 7874 (P-1)	1 % to 40 %
II.	FOODS AND AGRICULTURAL PRODUCTS			
1.	Oil Seeds & By Products	Moisture	IS 3579	0.1 % to 20 %
		Oil Content	IS 3579	2 % to 70 %
		Acid Value of Extracted Oil	IS 3579	0.5 % to 30 %
2.	Oil and Fats and Related Products	Peroxide Value	IS 548 (P-1)	1 meq of O ₂ /Kg to 10 meq of O ₂ /Kg
		Moisture & Volatile Matter	IS 548 (P-1)	0.1 % to 20.0 %
		Free Fatty acid	IS 548 (P-1)	0.1 % to 20 %
		Insoluble Impurities	IS 548 (P-1)	0.01 % to 1.5 %
		Saponification value	IS 548 (P-1)	50 to 250
		Iodine Value	IS 548 (P-1)	0.5 to 200
		Acid Value	IS 548 (P-1)	0.5 to 30
		Unsaponifiable matter	IS 548 (P-1)	0.25 % to 8.0 %
		Bellier Turbidity Temperature	IS 548 (P-2)	23 °C to 40 °C
		Melting Point	IS 548 (P-1)	5 °C to 60 °C
		Refractive Index	IS 548 (P-1)	1.4490 to 1.4720

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3.	Tea and Tea Products	Iron Particle content	IS 3633	10 mg/kg to 200 mg/kg
		Determination of loss in mass at 103 °C	IS 13853	1 % to 20 %
		Total Ash (Dry Basis)	IS 13854	1.0 % to 10.0 %
		Water Soluble Ash (Dry Basis)	IS 13855	30 % to 70 %
		Acid insoluble Ash (Dry Basis)	IS 13857	0.1 % to 5.0 %
		Alkalinity of Water Soluble Ash (Dry Basis)	IS 13856	1.0 % to 10.0 %
		Water Extract (Dry Basis)	IS 13862	15 % to 40 %
4.	Coffee, Cocoa and By-Products	Crude Fibre	IS 10226 (Part -1)	2 % to 20 %
		Solubility in Cold Water in cold water coffee powder	IS 2791	Qualitative
		Solubility in Hot Water	IS 2791	Qualitative

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