

Laboratory	Rasi Nutri Foods- Food Analytical Laboratory, 1/67 A & 1/67 B, Salem-Trichy Main Road, Ayeepalayam, Athanur, Rasipuram, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	13.06.2014
Certificate Number	T-1732	Valid Until	12.06.2016
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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.	CEREAL AND PULSES BASED PRODUCTS	Moisture	IS 16072:2012	1.0 – 20.0 %
		Total ash	IS 14433 : 2007 (Annex-B)	1.0 – 10.0 %
a)	Complementary Weaning Food with or without Amylase Activity.	Acid Insoluble ash	IS 14433 : 2007 (Annex-C)	0.01 – 1.0 %
		Fat	IS 4684 : 1975 (Appendix F)	0.5 – 20.0 %
		Crude Fibre	IS 10226 (Part-I)-1982	0.5 – 10.0 %
b)	Blend of Critically Processed Materials	Protein	IS 7219 : 1973	2.0 – 60.0 %
		Alcoholic Acidity as H ₂ SO ₄	IS 1155 : 1968 (Reaffirmed 2005) (Appendix F)	0.02 – 2.0 %
c)	Cereal, Pluses Flour/Grits	Total Carbohydrate	Annex-C of IS 1656:2007 (Reaffirmed 2012)	40.0 to 95.0 %
		Energy	Nutritive Value of Indian Foods, NIN	150 to 700 Kcal/100g
		Iron	IS 14433 : 2007	3.0 – 100 mg/100g
		Calcium	IS 5949:1990 (Reaffirmed 2003)	25 – 1500 mg/100g
		Vitamin C	IS 5838:1970 (Reaffirmed 2005)	20-50 mg/100g
		Gluten (Wheat Flour & Maida only)	Appendix D of IS 1155:1968 (Reaffirmed 2005)	0 – 15 %

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d)	Groundnut Flour	Moisture	IS 4684 : 1975 (Reaffirmed 2010)	1.0 – 20.0 %
		Total ash	IS 4684 : 1975 (Reaffirmed 2010)	1.0 – 10.0 %
		Acid Insoluble ash	IS 4684 : 1975 (Reaffirmed 2010)	0.05 – 1.0 %
		Fat	IS 4684 : 1975 (Reaffirmed 2010)	0.5 – 20.0 %
		Crude Fibre	IS 4684 : 1975 (Reaffirmed 2010)	0.5 – 10.0 %
		Protein	IS 4684 : 1975 (Reaffirmed 2010)	2.0 – 60.0 %
e)	Low fat Soya Flour	Moisture	IS 4684 : 1975 (Reaffirmed 2010)	1.0 – 20.0 %
		Total ash	IS 4684 : 1975 (Reaffirmed 2010)	1.0 – 10.0 %
		Acid Insoluble ash	IS 4684 : 1975 (Reaffirmed 2010)	0.05 – 1.0 %
		Fat	IS 4684 : 1975 (Reaffirmed 2010)	0.5 – 20.0 %
		Crude Fibre	IS 4684 : 1975 (Reaffirmed 2010)	0.5 – 10.0 %
		Protein	IS 4684 : 1975 (Reaffirmed 2010)	2.0 – 60.0 %
f)	Cereals, Pulses & Nuts (Raw Materials)	Moisture	IS 4333 (Part-2):2002 Reaffirmed 2012	0.5-20.0%
		Foreign Matter	IS 4333 (Part-I):1996 Reaffirmed 2001	0.5-10.0%

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	Cereals, Pulses & Nuts (Raw Materials)	Other Edible Grains	IS 4333 (Part-I):1996 Reaffirmed 2001	0.05-10.0%
		Shrivelled or Immature Grains	IS 4333 (Part-I):1996 Reaffirmed 2001	0.5-20.0%
		Insect damaged & Weeviled grains	IS 4333 (Part-I):1996 Reaffirmed 2001	0.5-20.0%
		Admixture Grains	IS 4333 (Part-I):1996 Reaffirmed 2001	0.5-20.2%
		Damaged Grains	IS 4333 (Part-I):1996 Reaffirmed 2001	0.1-20%
		Discoloured Grains	IS 4333 (Part-I):1996 Reaffirmed 2001	0.1-10%
		Uric acid	IS 4333(Part-V):1970 Reaffirmed 2005	0.1 -200 mg/kg
2.	Vegetable Oil	Moisture	IS 548:1964 (Reaffirmed 2000)	0.01-5%
		Free fatty acid	IS 548:1964 (Reaffirmed 2000)	05 – 10.0%
		Specific Gravity	IS 548:1964 (Reaffirmed 2000)	0.05 – 2.0%
		Peroxide Value	IS 548:1964 (Reaffirmed 2000)	0.5 – 20.0meq /kg

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	Vegetable Oil	Saponification Value	IS 548:1964 (Reaffirmed 2000)	10 – 300
		Un Saponification Value	IS 548:1964 (Reaffirmed 2000)	0.1 – 5%
		Acid Value	IS 548:1964 (Reaffirmed 2000)	0.01 - 20
		Iodine Value	IS 548:1964 (Reaffirmed 2000)	5 – 150
3.	Iodized Salt and Double Fortified Salts	Moisture	IS 7224:2006	0.1-10.0 %
		Sodium Chloride	IS 7224:2006	95-100%
		Matter insoluble in water	IS 7224:2006	0.05-2.0 %
		Iodine content	IS 7224:2006	10-30.0%

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