

**Laboratory** Food Safety and Analytical Quality Control Laboratory, Christy Friedgram Industry, A2 & A3, SIDCO Industrial Estate, Andipalayam, Tiruchengode, District Namakkal, Tamil Nadu

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

**Discipline** Chemical Testing **Issue Date** 30.06.2016

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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
<b>I.</b>	<b>FOOD AND AGRICULTURAL PRODUCTS</b>			
1.	<b>Food for Infant Nutrition: Amylase Rich Energy Food-I &amp; II, Energy Food , Complementary Weaning Food Containing Amylase Activity, Blend of Critically Processed Materials</b>	Moisture	IS 16072: 2012	0.5 % to 20 %
		Total ash	IS 14433: 2007 (Annexure B)	0.05 % to 10 %
		Acid Insoluble ash	IS 14433: 2007 (Annexure C)	0.05 % to 5 %
		Fat	IS 4684: 1975 (RA 2010) Appendix F	0.5 % to 20 %
		Crude Fibre	10226 (Part 1): 1982	0.1 % to 20 %
		Protein	IS 7219: 1973	0.5 % to 20 %
		Alcoholic Acidity as H <sub>2</sub> SO <sub>4</sub>	IS 1155: 1968 (RA 2005) Appendix F	0.02 % to 0.5 %
		Total Carbohydrate	IS 1656: 2007 (RA 2012) Annexure C	2 % to 98 %
		Energy	CFI/FSAQCL/NIN/STP/04/02.0 8.2007/Issue. 2	(15 kcal to 900 kcal)/100g
		Iron	IS 14433: 2007 Annexure D-2	(5.0 mg to 100 mg)/100g
		Calcium	IS 5949: 1990 (RA 2003)	(1 mg to 750 mg)/100g
	Vitamin C	IS 5838: 1970 (RA 2005)	(5 mg to 50 mg)/100 g	
	Vitamin C	CFI/FSAQCL/INS/STP/143/02. 06.2015/Issue. 1	(5 mg to 50 mg)/100 g	

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2.	<b>Food for Infant Nutrition: Amylase Rich Energy Food-I &amp; II, Energy Food , Complementary Weaning Food Containing Amylase Activity, Blend of Critically Processed Materials</b>	Vitamin A	CFI/ FSAQCL / INS/STP/142/02.06.2015/ Issue. 1	(20 mcg to 500 mcg)/100 g
		Vitamin B1	CFI/ FSAQCL/ INS/STP/144/02.06.2015/ Issue. 1	(0.1 mg to 20 mg)/100 g
		Vitamin B2	CFI/ FSAQCL/ INS/STP/144/02.06.2015/ Issue. 1	(0.1 mg to 20 mg)/100g
		Vitamin B3	CFI/ FSAQCL/ INS/STP/144/02.06.2015/ Issue. 1	(1 mg to 25 mg)/100g
		Uric acid	IS 4333 (Part 5): 1970 (RA 2005)	3 mg/kg to 100 mg/kg
		Moisture	IS 16072: 2012	0.1 % to 20 %
		Total ash	IS 14433: 2007 Annexure B	0.05 % to 10 %
2.	<b>Processed Cereal Based Complementary Food</b>	Acid Insoluble ash	IS 14433: 2007 Annexure C	0.05 % to 5 %
		Crude Fibre	IS 10226 (Part 1): 1982	0.1 % to 20 %
		Protein	IS 7219: 1973	0.5 % to 20 %
		Total Carbohydrate	IS 1656: 2007 (RA 2012) Annexure C	2 % to 98 %

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	<b>Processed Cereal Based Complementary Food</b>	Energy	CFI/FSAQCL/NIN/STP/04/02.0 8.2007/Issue. 2	(15 kcal to 950 kcal)/100g
		Iron	IS 14433: 2007 Annexure D-2	(1.0 mg to 100 mg)/100g
		Vitamin C	IS 5838: 1970 (RA 2005)	(5 mg to 50 mg)/100g
3.	<b>Protein Rich Food Supplements for Infant and Preschool Children</b>	Moisture	IS 4684: 1975	0.1 % to 20 %
		Total ash	IS 4684: 1975	0.05 % to 10 %
		Acid Insoluble ash	IS 4684: 1975	0.05 % to 5 %
		Fat	IS 4684: 1975	0.5 % to 20 %
		Crude Fibre	IS 4684: 1975	0.1 % to 20 %
		Protein	IS 4684: 1975	0.5 % to 20 %
		Iron	IS 14433: 2007	(1.0 mg to 100 mg)/100 g
		Calcium	IS 5949: 1990	(1 mg to 750 mg)/100 g
		Vitamin C	IS 5838: 1970 (RA 2005)	(5 mg to 50 mg)/100g
		Carbohydrate	IS 1656: 2007 (RA 2012) Annexure C	2 % to 98 %
	Energy	CFI/FSAQCL/NIN/STP/04/02.0 8.2007/Issue. 2	(15 kcal to 950 kcal)/100g	

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4.	<b>Fats, Oils and Fat Emulsion</b>	Moisture	IS 548: 1964	0.01 % to 5 %
		Free fatty acid	IS 548: 1964 (RA 2000)	0.01 % to 20 %
		Specific Gravity	IS 548: 1964 (RA 2000)	0.05 % to 5 %
		Peroxide value	IS 548: 1964 (RA 2000)	0.1 meq/kg to 50 meq/kg
		Saponification Value	IS 548: 1964 (RA 2000)	10 to 300
		Unsaponification value	IS 548: 1964 (RA 2000)	0.1 % to 5 %
		Acid Value	IS 548: 1964 (RA 2000)	0.01 % to 20 %
		Iodine value	IS 548: 1964 (RA 2000)	5 % to 250 %
5.	<b>Fruit and Vegetable</b>			
a.	<b>Nuts and their Products, All Whole and Shelled Nuts, Edible flours and grits</b>	Moisture	IS 4333 (Part 2): 2002 (RA 2012)	0.5 % to 20 %
		Foreign Matter	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Other Edible Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Shrivelled or Immature Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Insect Damaged or Weeviled Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Admixture Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %

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	<b>Nuts and their Products, All Whole and Shelled Nuts, Edible flours and grits</b>	Damaged Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Damaged Kernel including slightly Damaged Kernel	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Discoloured	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Uric acid	IS 4333 (Part 5): 1970 (RA 2005)	3 mg/kg to 100 mg/kg
<b>b. Edible Groundnut Cake Flour</b>	Moisture	IS 4684: 1975 (RA 2010) Appendix B	0.5 % to 20 %	
	Total ash	IS 4684: 1975 (RA 2010) Appendix D	0.05 % to 10 %	
	Acid Insoluble ash	IS 4684: 1975 (RA 2010) Appendix E	0.05 % to 5 %	
	Fat	IS 4684: 1975 (RA 2010) Appendix F	0.5 % to 50 %	
	Acid value of extracted Fat	IS 4684: 1975 (RA 2010) Appendix G	0.01 % to 20 %	
	Crude Fibre	IS 4684: 1975 (RA 2010) Appendix H	0.2 % to 10 %	
	Protein	IS 7219: 1973	0.5 % to 60 %	
<b>c. Beans (All Whole, Split Beans)</b>	Moisture	IS 4333 (Part 2): 2002 (RA 2012)	0.5 % to 20 %	

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	<b>Beans (All Whole, Split Beans)</b>	Foreign Matter	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Other Edible Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Shrivelled or Immature Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Insect Damaged or Weeviled Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Admixture Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Damaged Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Damaged Kernel including slightly Kernel	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Discoloured	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Uric acid	IS 4333 (Part 5): 1970 (RA 2005)	3 mg/kg to 100 mg/kg
<b>d.</b>	<b>Beans Products (Edible Flours/ Grits)</b>	Moisture	IS 16072: 2012	0.5 % to 20 %
		Total ash	IS 14433: 2007 Annexure B	0.05 % to 10 %
		Acid Insoluble ash	IS 14433: 2007 Annexure C	0.05 % to 5 %

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	<b>Beans Products (Edible Flours/ Grits)</b>	Fat	IS 4684: 1975 (RA 2010) Appendix F	0.5 % to 20 %
		Acid value of extracted Fat	IS 4684: 1975 (RA 2010) Appendix G	0.01 % to 20 %
		Crude Fibre	IS 4684: 1975 (RA 2010)	0.2 % to 10 %
		Protein	IS 7219: 1973	0.5 % to 60 %
<b>6.</b>	<b>Cereals &amp; Pulses</b>	Moisture	IS 4333 (Part 2): 2002 (RA 2012)	0.5 % to 20 %
		Foreign Matter	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Other Edible Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Shrivelled or Immature Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Insect Damaged or Weeviled Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Admixture Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Damaged Grains	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Discolored	IS 4333 (Part 1): 1996 (RA 2001)	0.1 % to 10 %
		Uric acid	IS 4333 (Part 5): 1970 (RA 2005)	3 mg/kg to 100 mg/kg

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7.	<b>Processed Cereals and Pulses Products (Raw, Toasted, Roasted Flour/Grits )</b>	Moisture	IS 16072: 2012	0.5 % to 20 %
		Total ash	IS 14433: 2007 Annexure B	0.05 % to 10 %
		Acid Insoluble ash	IS 14433: 2007 Annexure C	0.01 % to 5 %
		Fat	IS 4684: 1975 (RA 2010) Appendix F	0.5 % to 30 %
		Crude Fibre	10226 (Part 1): 1982	0.2 % to 10 %
		Protein	IS 7219: 1973	0.5 % to 50 %
		Alcoholic Acidity as H <sub>2</sub> SO <sub>4</sub>	IS 1155: 1968 (RA 2005) Appendix F	0.02 % to 0.5 %
		Total Carbohydrate	IS 1656: 2007 (RA 2012) Annexure C	2 % to 98 %
		Energy	CFI/FSAQCL/NIN/STP/04/02.0 8.2007/Issue. 2	(15 kcal to 900 kcal)/100g
Uric acid	IS 4333 (Part 5): 1970 (RA 2005)	3 mg/kg to 100 mg/kg		
8.	<b>Malt and Malt Based Foods</b>	Moisture	IS 16072: 2012	0.5 % to 20 %
		Total ash	IS 14433: 2007 Annexure B	0.05 % to 10 %
		Acid Insoluble ash	IS 14433: 2007 Annexure C	0.01 % to 5 %



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	<b>Malt and Malt Based Foods</b>	Fat	IS 4684: 1975 (RA 2010) Appendix F	0.1 % to 30 %
		Crude Fibre	IS 10226 (Part 1): 1982	0.2 % to 10 %
		Protein	IS 7219: 1973	0.5 % to 50 %
		Alcoholic Acidity as H <sub>2</sub> SO <sub>4</sub>	IS 1155: 1968 (RA 2005) Appendix F	0.02 % to 0.5 %
		Uric acid	IS 4333 (Part 5): 1970 (RA 2005)	3 mg/kg to 100 mg/kg
		Energy	CFI/FSAQCL/NIN/STP/04/02.0 8.2007/Issue. 2	(15 kcal to 900 kcal)/ 100 g
9.	<b>Rolled Oats / Quick Cooking Oats</b>	Moisture	IS 1155: 1968 (RA 2005) Appendix A	0.5 % to 20 %
		Total ash	IS 1155: 1968 (RA 2005) Appendix B	0.05 % to 10 %
		Acid Insoluble ash	IS 1155: 1968 (RA 2005) Appendix C	0.01 % to 5 %
		Crude Fibre	IS 1155: 1968 (RA 2005) Appendix E	0.2 % to 10 %
		Protein	IS 7219: 1973	0.5 % to 25 %
		Alcoholic Acidity as H <sub>2</sub> SO <sub>4</sub>	IS 1155: 1968 (RA 2005) Appendix F	0.02 % to 0.5 %
		Energy	CFI/FSAQCL/NIN/STP/04/02.0 8.2007/Issue. 2	(15 kcal to 900 kcal)/ 100 g

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10.	Solvent Extracted Flour	Moisture	IS 4684: 1975 (RA 2010) Appendix B	0.5 % to 20 %
		Total ash	IS 4684: 1975 (RA 2010) Appendix D	0.05 % to 10 %
		Acid Insoluble ash	IS 4684: 1975 (RA 2010) Appendix E	0.01 % to 5 %
		Fat	IS 4684: 1975 (RA 2010) Appendix F	0.1 % to 20 %
		Crude Fibre	IS 4684: 1975 (RA 2010) Appendix H	0.2 % to 10 %
		Protein	IS 4684: 1975 (RA 2010) Appendix C	0.5 % to 60 %
		Acid value of extracted Fat	IS 4684: 1975 (RA 2010) Appendix G	0.01 % to -20 %
		Energy	CFI/FSAQCL/NIN/STP/04/02.0 8.2007/Issue. 2	(15 kcal to 900 kcal)/ 100 g
11.	Starchy Foods	Moisture	IS 4706 (Part 2): 1978 (RA 2015) Clause. 4	0.5 % to 20 %
		Total ash	IS 4706 (Part 2): 1978 (RA 2015) Clause. 5	0.05 % to 10 %
		Acid Insoluble ash	IS 4706 (Part 2): 1978 (RA 2015) Clause. 8	0.01 % to 5 %
		Crude Fibre	IS 4706 (Part 2): 1978 (RA 2015) Clause. 12	0.2 % to 10 %

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	Starchy Foods	Sulphur dioxide	IS 4706 (Part 2): 1978 (RA 2015)	(1 µg to 100 µg)/100g
		pH	IS 4706 (Part 2): 1978 (RA 2015) Clause. 13	2 to 14
		Gelatinization	IS 899: 1971 (RA 2012) Appendix A	2 % to 20 %
		Starch	IS 4706 (Part 2): 1978 (RA 2015) Clause. 9	0.5 % to 100 %
		Free acidity	IS 4706 (Part 2): 1978 (RA 2015) Clause. 14	0.5 % to 10 %
		Sulphated Ash	IS 4706 (Part 2): 1978 (RA 2015) Clause. 7	0.01 % to 5 %
		Alcoholic Acidity as H <sub>2</sub> SO <sub>4</sub>	IS 4706 (Part 2): 1978 (RA 2015) Clause. 15	0.02 % to -0.5 %
12.	Papads	Moisture	IS 2639: 1999 (RA 2015) Annexure B	0.5 % to 20 %
		Total ash	IS 2639: 1999 (RA 2015) Annexure C	0.05 % to 10 %
		Acid Insoluble ash	IS 2639: 1999 (RA 2015) Annexure D	0.01 % to 5 %
		pH	IS 2639: 1999 (RA 2015) Annexure F	2 to 14
		Fat	IS 2639: 1999 (RA 2015) Annexure G	0.1 % to 25 %

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	<b>Papads</b>	Alkalinity of ash as sodium carbonate	IS 2639: 1999 (RA 2015) Annexure E	0.5 % to 20 %
		Crude Fiber	IS 2639: 1999 (RA 2015) Annexure H	0.2 % to 10 %
		Energy	CFI/FSAQCL/NIN/STP/04/02.0 8.2007/Issue. 2	(15 kcal to 900 kcal)/ 100 g
<b>13.</b>	<b>Bakery Products</b>	Moisture	IS 1011: 2002 (RA 2009) Appendix B	0.5 % to 20 %
		Total ash	IS 14433: 2007, Annexure B	0.05 % to 10 %
		Acid Insoluble ash	IS 1011: 2002 (RA 2009) Appendix C	0.01 % to 5 %
		Fat	IS 4684: 1975 (RA 2010) Appendix F	0.1 % to 50 %
		Protein	IS 7219: 1973	0.5 % to 50 %
		Acidity of extracted fat	IS 1011: 2002 (RA 2009) Appendix D	0.01 % to 10 %
		Uric acid	IS 4333 (Part 5): 1970 (RA 2005)	3 mg/kg to 100 mg/kg
		Crude fibre	IS 10226 (Part 1): 1982	0.2 % to 10 %
		Carbohydrate	IS 1656: 2007 (RA 2012) Annexure C	2 % to 98 %
		Energy	CFI/FSAQCL/NIN/STP/62/02.0 8.2007/Issue. 2	(15 kcal to 900 kcal)/ 100 g

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<b>14.</b>	<b>Chikkies and Its Varieties</b>	Moisture	IS 6287: 1985 (RA 2015) Clause. 4	0.5 % to 20 %
		Acid Insoluble ash	IS 6287: 1985 (RA 2015) Clause. 7	0.01 % to 5 %
		Fat	IS 6287: 1985 (RA 2015) Clause. 10	0.1 % to 20 %
		Total Sugar	IS 6287: 1985 (RA 2015) Clause. 9	1.5 % to 50 %
		Protein	IS 6287: 1985 (RA 2015) Clause. 11	0.5 % to 50 %
		Acid value of extracted fat	IS 548 (Part 1): 1964	0.01 % to 10 %
		Uric acid	IS 4333 (Part 5): 1970 (RA 2005)	3 mg/kg to 100 mg/kg
		Total ash	IS 14433: 2007 Annexure B	0.05 % to 10 %
		Carbohydrate	IS 1656: 2007 (RA 2012) Annexure C	2 % to 98 %
	Energy	CFI/FSAQCL/NIN/STP/71/02.0 8.2007/Issue. 2	(15 kcal to 900 kcal)/ 100 g	
<b>15.</b>	<b>Sweetening Agents, Sugar Jaggery &amp; Its Products</b>	Loss on Drying	IS 15279: 2003 (RA 2008) Clause. 4	0.01 % to 10 %
		Acid Insoluble ash	IS 12923: 1990 (RA 2013) Annexure A	0.01 % to 5 %

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	<b>Sweetening Agents, Sugar Jaggery &amp; Its Products</b>	Reducing Sugar	IS 15279: 2003 (RA 2008) Clause. 7	0.5 % to 50 %
		Sulphur dioxide	IS 15279: 2003 (RA 2008) Clause. 13	1 mg/kg to 100 mg/kg
		Water insoluble matter	IS 15279: 2003 (RA 2008) Clause. 14	0.01 % to 10 %
		Sulphated Ash	IS 15279: 2003 (RA 2008) Clause. 10	0.01 % to 5 %
		Determination of sugar solution colour-ICUMSA Colour	IS 15279: 2003 (RA 2008) Clause. 8	90 IU to 300 IU
		Sucrose	IS 15279: 2003 (RA 2008) Clause. 12	1.5 % to 100 %
		Total sugar	IS 15279: 2003 (RA 2008)	8 % to 100 %
<b>16. Spices and Condiments (Whole, Individual Spices Powder and Various Masala Mixes)</b>	Moisture	IS 1797: 1985 (RA 2013) Clause. 9	0.1 % to 25 %	
	Extraneous matter	IS 1797: 1985 (RA 2013) Clause. 4	0.1 % to 10 %	
	Split fruits	IS 1797: 1985 (RA 2013) Clause. 4	0.1 % to 25 %	
	Damaged, discolored and weeviled fruits	IS 1797: 1985 (RA 2013) Clause. 4	0.1 % to 10 %	
	Shrivelled and immature fruits,	IS 1797: 1985 (RA 2013) Clause. 4	0.1 % to 10 %	

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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
	<b>Spices and Condiments (Whole, Individual Spices Powder and Various Masala Mixes)</b>	Fruits of other varieties of coriander	IS 1797: 1985 (RA 2013) Clause. 4	0.1 % to 10 %
		Total ash	IS 1797: 1985 (RA 2013) Clause. 6	0.10 % to 10 %
		Acid Insoluble ash	IS 1797: 1985 (RA 2013) Clause. 8	0.01 % to 5 %
		Cold water soluble extract	IS 1797: 1985 (RA 2013) Clause. 11	0.1 % to 50 %
		Alcohol soluble extract	IS 1797: 1985 (RA 2013) Clause. 10	0.1 % to 50 %
		Crude Fibre	IS 1797: 1985 (RA 2013) Clause. 13	0.1 % to 20 %
		Fat	IS 1797: 1985 (RA 2013) Clause. 14	0.5 % to 20 %
		Free fatty acid	IS 548 (Part 1): 1964 Clause. 7.3.1	0.01 % to 20 %
		Sodium chloride	IS 1797: 1985 (RA 2013) Clause. 16	0.1 % to 10 %
		Peroxide Value	IS 548 (Part 1): 1964 Clause. 7	0.1 meq/kg to 50 meq/kg
		Alcoholic Acidity	IS 1155: 1968 (RA 2005) Appendix F	0.02 % to 0.5 %

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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
17.	<b>Iodized Salt, Double Fortified Salt</b>	Moisture	IS 7224: 2006, Annexure A	0.05 % to 10 %
		Sodium chloride	IS 7224: 2006, Annexure D	80 % to 100 %
		Matter soluble in water other than sodium chloride	IS 7224: 2006 Annexure E	0.05 % to 5 %
		Matter insoluble in Water	IS 7224: 2006, Annexure C	0.05 % to 5 %
		Iodine content	IS 7224: 2006, Annexure H	10 µg/kg to 30 µg/kg
18.	<b>Edible Common Salt &amp; Common Salt-Iron Fortified</b>	Iron Content	IS 7224: 2006, Annexure M	0.05 % to 3.0 %
		Moisture	IS 253: 1985, Annexure 2	0.05 % to 10 %
		Water insoluble matter	IS 253: 1985, Annexure 4	0.05 % to 5 %
		Chloride content	IS 253: 1985, Annexure 5	80 % to 100 %
		Matter insoluble in dilute hydrochloric acid	IS 253: 1985 Annexure 6	0.02 % to 2 %
		Matter soluble in water other than sodium chloride	IS 253: 1985 Annexure 7	0.05 % to 5 %
		Magnesium	IS 7224: 2006, Annexure F	0.01 % to 3.0 %
		Calcium	IS 7224: 2006, Annexure F	0.01 % to 3.0 %
		Sulphates	IS 253: 1985, Annexure 9	0.05 % to 3.0 %
		Iron	IS 12981: 1991, Annexure 2	0.05 % to 3.0 %
		pH	IS 12981: 1991, Annexure 3	2.0 to 14.0
		Phosphates	IS 12981: 1991, Annexure 4	0.05 % to 1.0 %



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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
19.	Egg Whole	Haugh Unit	IS 9810: 1981	20 to 80
		Candling	IS 9810: 1981	Qualitative
		Shell Thickness	IS 9810: 1981	0.25 to 0.35
		Albumin Index	IS 9810: 1981	5 to 7
		Yolk Index	IS 9810: 1981	15 to 25
<b>II. RESIDUES IN FOOD PRODUCTS</b>				
1.	<b>Food for Infant Nutrition: Amylase Rich Energy Food -I &amp; II, Energy Food, Complementary Weaning Food Containing Amylase Activity, Blend of Critically Processed Materials</b>	Aflatoxin (B1,B2,G1 & G2)	IS 4684: 1975 (RA 2010) Appendix H	Qualitative
2.	<b>Nuts and their Products, All Whole and Shelled Nuts, Edible Flours and Grits</b>	Aflatoxin (B1,B2,G1 & G2)	IS 4684: 1975 (RA 2010) Appendix J	Qualitative

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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
3.	Beans (All Whole, Split Beans,)	Aflatoxin (B1,B2,G1 & G2)	IS 4684: 1975 (RA 2010) Appendix J	Qualitative
4.	Cereals & Pulses	Aflatoxin (B1,B2,G1 & G2)	IS 4684: 1975 (RA 2010) Appendix J	Qualitative
5.	Processed Cereals And Pulses Products (Raw, Toasted, Roasted Flour/Grits )	Aflatoxin (B1,B2,G1 & G2)	IS 4684: 1975 (RA 2010) Appendix H	Qualitative
6.	Malt and Malt Based Foods	Aflatoxin (B1,B2,G1 & G2)	IS 4684: 1975 (RA 2010) Appendix H	Qualitative
7.	Solvent Extracted Flour	Aflatoxin (B1,B2,G1 & G2)	IS4684: 1975 (RA 2010) Appendix J	Qualitative
8.	Chikkies And Its Varieties	Aflatoxin (B1,B2,G1 & G2)	IS 4684: 1975 (RA 2010) Appendix J	Qualitative
<b>III. WATER</b>				
1.	Potable Water/ Drinking Water	Odour	IS 3025 (Part 5): 1983 (RA 2002)	Qualitative
		Taste	IS 3025 (Part 8): 1984 (RA 2002)	Qualitative
		Colour	IS 3025 (Part 4): 1983 (RA 2002)	Qualitative
		Acidity	IS 3025 (Part 22): 1986 (RA 2003)	0.5 mg/l to 500 mg/l

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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
	Potable Water/ Drinking Water	Alkalinity	IS 3025 (Part 23): 1986 (RA 2003)	0.5 mg/l to 500 mg/l
		pH	IS 3025 (Part 2): 1983 (RA 2002)	2 to 14
		Total solids	IS 3025 (Part 15): 1984 (RA 2009)	25 mg/l to 500 mg/l
		Total Dissolved solids	IS 3025 (Part 16): 1984 (RA 2006)	25 mg/l to 500 mg/l
		Total suspended solids	IS 3025 (Part 17): 1984 (RA 2012)	1 mg/l to 50 mg/l
		Chloride	IS 3025 (Part 32): 1988 (RA 2003)	1 mg/l to 500 mg/l
		Magnesium	IS 3025 (Part 46): 1994 (RA 2003)	0.1 mg/l to 100 mg/l
		Calcium	IS 3025 (Part 40): 1981 (RA 2003)	0.1 mg/l to 100 mg/l
<b>IV. INDUSTRIAL &amp; FINE CHEMICALS</b>				
1.	Sodium Hypochlorite	Available chlorine	IS 11673: 1992 (RA 2003)	1 % to 25 %
		Total chlorine	IS 11673: 1992 (RA 2003)	1 % to 25 %

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