

Laboratory	Mats India Private Limited, Laboratory Services Division, 1A, 1B, Perumal Koil Street, Nerkundram, Chennai, Tamil Nadu		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	11.09.2015
Certificate Number	T-3561	Valid Until	10.09.2017
Last Amended on	-	Page	1 of 4

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.	Cereals, Pulses and Cereal Products (Black matpe, Green peas, Chick Peas, Toor, Rice, Green gram, Green moong, Red Lentils, Wheat flour, Wheat atta, Bengal gram, Maida, Sooji, Pearl Millet, Dhal, Macaroni, Wheat, Maize, Corn, Channa, Split pulses, Biscuit, Bread, Horse gram, Red bean Corn, Beaten rice, Oats, Jowar, Tapioca, Ragi, Kidney beans, Black eye bean, Masoor Dhall, Pigeon dhall, Peas dhall, Barley, Yellow peas, Roasted gram, Brown beans, Dhum peas, Sprouts, Soya bean and Premixes)	Total Plate count	IS 5402: 2012	Min 10 CFU/g
		Coliforms	IS 5401 (Part 1): 2012	Min 10 CFU/g
			IS 5401 (Part 2): 2012	0.3 MPN/g to 110 MPN/g
		Escherichia coli	IS 5887 (Part 1): 1976 (RA 2013)	Min 10 CFU/g
		Salmonella Sp.	IS 5887 (Part 3): 1999 (RA 2009)	0.3 MPN/g to 110 MPN/g
		Shigella Sp.	IS 5887 (Part 7): 1999 (RA 2005)	Qualitative (Present or Absent)/25 g
		Staphylococcus aureus	IS 5887 (Part 8/Sec I): 2002	Qualitative (Present or Absent)/25 g
	Yeast & Moulds	IS 5403:1999 (RA 2009)	Min 10 CFU/g	

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Certificate Number	T-3561	Valid Until	10.09.2017
Last Amended on	-	Page	2 of 4

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2.	Herbs, Spices and Condiments (Chilli, Pepper, Betel nuts, Cardamom, Ginger, Turmeric, Dried Ginger, Cumin, Corriander, Fenugreek, Mustard, Nutmeg, Mace, Vanilla, Poppy seeds, Tamarind powder, Cinnaman, Cassia, Garlic, Star Aniseed, Clove, Aniseed, Caraway, Saffran, Asafoetida powder, Tejpat, Bay leaf, Curry powder, masala powder, Aloe vera syrup, Noni syrup, Thulasi water, Neem syrup)	Total Plate count	IS 5402: 2012	Min 10 CFU/g/mL
		Coliforms	IS 5401 (Part 1): 2012	Min 10 CFU/g/mL
			IS 5401 (Part 2): 2012	(0.3 MPN to 110 MPN)/g/mL
		Escherichia coli	IS 5887 (Part 1): 1976 (RA 2013)	Min 10 CFU/g/mL
		Salmonella Sp.	IS 5887 (Part 3): 1999 (RA 2009)	Qualitative (Present or Absent)/25g/mL
		Staphylococcus aureus	IS 5887 (Part 8/ Sec 1): 2002	Min 10 CFU/g/mL
Yeast & Moulds	IS 5403: 1999 (RA 2009)	Min 10 CFU/g/mL		
3.	Nuts & Nuts Products (Cashew nuts, Raw cashew, ground nut, Sesame seeds, Almonds, Brazil nuts, Chest nuts, Coconuts, Hazel nuts, Pecan nuts, Walnuts, Pine nuts, Pista, Raisins)	Total Plate count	IS 5402: 2012	Min 10 CFU/g
		Coliforms	IS 5401 (Part 1): 2012	Min 10 CFU/g
			IS 5401 (Part 2): 2012	0.3 to 110 MPN/g
		Escherichia coli	IS 5887 (Part 1): 1976 (RA 2013)	Min 10 CFU/g
		Salmonella Sp.	IS 5887(Part 3): 1999 (RA 2009)	Qualitative (Present or Absent)/25 g

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Certificate Number	T-3561	Valid Until	10.09.2017
Last Amended on	-	Page	3 of 4

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	Nuts & Nuts Products (Cashew nuts, Raw cashew, ground nut, Sesame seeds, Almonds, Brazil nuts, Chest nuts, Coconuts, Hazel nuts, Pecan nuts, Walnuts, Pine nuts, Pista, Raisins)	Shigella Sp.	IS 5887 (Part 7): 1999 (RA 2005)	Qualitative (Present or Absent)/25 g
		Staphylococcus aureus	IS 5887 (Part 8/ Sec I): 2002	Min 10 CFU/g
		Yeast & Moulds	IS 5403: 1999 (RA 2009)	Min 10 CFU/g
II.	WATER			
1.	Drinking Water/ Raw Water/ Bore well Water	Standard Plate count	IS 1622: 1981 (RA 1996)	Min 1 CFU/mL
		Heterotrophic Plate Count	APHA (22 nd Edition) 9215 A: 2012	
		Total Coliforms	IS 1622: 1981 (RA 1996) APHA (22 nd Edition) 9221 B: 2012	2 MPN/100mL to 1600 MPN/100mL
		Faecal Coliform	IS 1622: 1981 (RA 1996) APHA (22 nd Edition) 9221 E: 2012	2 MPN/100mL to 1600 MPN/100mL
		E.coli	IS 1622: 1981 (RA 1996) APHA (22 nd Edition) 9221 F: 2012	2 MPN/100mL to 1600 MPN/100mL
		Faecal Streptococci	IS 1622: 1981 (RA 1996) APHA (22 nd Edition) 9230 B: 2012	2 MPN/100mL to 1600 MPN/100mL
2.	Packaged Drinking Water	Total Viable Colony Count @ 37 °C for 24 hrs	IS 5402: 2012	Min1 CFU/mL
		Total viable colony count at 22°C for 72 hrs.	IS 5402: 2012	Min 1 CFU/mL

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Last Amended on - **Page** 4 of 4

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Packaged Drinking Water	Coliforms	IS 15185: 2002	Qualitative (Present or Absent)/250 mL
		E.coli	IS 15185: 2002	Qualitative (Present or Absent)/250 mL
		Faecal Streptococci	IS 15186: 2002 (RA 2009)	Qualitative (Present or Absent)/250 mL
		Pseudomonas aeruginosa	IS 13428: 2005 Annexure D	Qualitative (Present or Absent)/250 mL
		Sulphite reducing anaerobes	IS 13428: 2005 Annexure C	Qualitative (Present or Absent)/250 mL
		Yeast and Mould	IS 5403: 1999 (RA 2009)	Qualitative (Present or Absent)/250 mL
		Staphylococcus aureus	IS 5887 (Part 2): 1976 (RA 2009)	Qualitative (Present or Absent)/250 mL
		Shigella Sp.	IS 5887 (Part 7): 1999 (RA 2005)	Qualitative (Present or Absent)/250 mL
		Salmonella Sp.	IS 15187: 2002 (RA 2009)	Qualitative (Present or Absent)/250 mL

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NOTE: The Laboratory has demonstrated competence for the stated scope for **WATER**. This however does not fully cover the specification requirements of **BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428**.

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