

Laboratory Advance Research & Analytical Services, 1/8 South Side GT Road,
Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Biological Testing **Issue Date** 31.03.2015

Certificate Number T-1438 **Valid Until** 30.03.2017

Last Amended on - **Page** 1 of 15

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 AND AGRICULTURE PRODUCTS			
1.	Milk & Milk Products (Cheese And Curd, Yoghurt, Milk Powders, Creams, Spreads Milk Ice Creams, Choc-bar)	Bacterial Count	IS 5402: 2012	≥1CFU/ml ≥10CFU/g
		Coliform Count	IS 5401: 2002	≥1CFU/ml ≥10CFU/g
		Yeast & Mould Count	IS 5403: 1999	≥1CFU/ml ≥10CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 25g
		Shigella	IS 5887 (Part 7): 1976 (RA2005)	Qualitative (Present/Absent) / 25g
		E. Coli	IS 5887 (Part 1): 1976 (RA2005)	≥1CFU/ml ≥10CFU/g
		Staphylococcus Aureus	IS 5887 (Part 2): 1976 (RA2005)	≥1CFU/ml ≥10CFU/g
		B. Cereus	IS 5887 (Part 6): 2012	≥1CFU/ml ≥10CFU/g
		Clostridium Perfringenes	IS 5887 (Part 4): 1999 (RA2005)	Qualitative (Present/Absent) / g
		Listeria Monocytogenes	IS 14988 (Part 1): 2001	Qualitative (Present/Absent) / 25g

Rini Narayan
Convenor

N. Venkateswaran
Program Manager

Laboratory	Advance Research & Analytical Services, 1/8 South Side GT Road, Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	31.03.2015
Certificate Number	T-1438	Valid Until	30.03.2017
Last Amended on	-	Page	2 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	(Cheese And Curd, Yoghurt, Milk Powders, Creams, Spreads Milk Ice Creams, Choc-bar	Enterobacteriaceae	IS 7402: 1993 (RA2001)	≥1CFU/ml ≥10CFU/g
		Lactobacillus Count	ISO 15214: 1998	≥1CFU/ml ≥10CFU/g
2.	Bakery & Confectionary (Cookies, Biscuits, Bread, Chewing Gum, Hard Boiled Confectionery, Pastries, Brownies, Cakes)	Bacterial Count	IS 5402: 2012	≥1CFU/ml ≥10CFU/g
		Coliform Count	IS 5401: 2002	≥1CFU/ml ≥10CFU/g
		Yeast & Mould Count	IS 5403: 1999	≥1CFU/ml ≥10CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 25g
		Shigella	IS 5887 (Part 7): 1976 (RA2005)	Qualitative (Present/Absent) / 25g
		E. Coli	IS 5887 (Part 1): 1976 (RA 2005)	≥1CFU/ml ≥10CFU/g
		Staphylococcus Aureus	IS 5887 (Part 2): 1976 (RA2005)	≥1CFU/ml ≥10CFU/g
		B. Cereus	IS 5887 (Part 6): 2012	≥1CFU/ml ≥10CFU/g
	Clostridium Perfringenes	IS 5887 (Part 4): 1999 (RA2005)	Qualitative (Present/Absent) / g	

Laboratory Advance Research & Analytical Services, 1/8 South Side GT Road,
Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Biological Testing **Issue Date** 31.03.2015

Certificate Number T-1438 **Valid Until** 30.03.2017

Last Amended on - **Page** 3 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
3.	(Cookies, Biscuits, Bread, Chewing Gum, Hard Boiled Confectionery, Pastries, Brownies, Cakes)	Listeria Monocytogenes	IS 14988 (Part 1): 2001	Qualitative (Present/Absent) / 25g ≥1CFU/ml ≥10CFU/g
		Enterobacteriaceae	IS 7402: 1993 (RA2001)	
	Sweets (Khoya Sweets, Chhena Sweets, Rasmalai, Petha, Besan Laddu, Saun Papri, Gulab Jamun)	Bacterial Count	IS 5402: 2012	≥1CFU/ml ≥10CFU/g
		Coliform Count	IS 5401: 2002	≥1CFU/ml ≥10CFU/g
		Yeast & Mould Count	IS 5403: 1999	≥1CFU/ml ≥10CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 25g
		Shigella	IS 5887 (Part 7): 1976 (RA2005)	Qualitative (Present/Absent) / 25g
		E. Coli	IS 5887 (Part 1): 1976 (RA2005)	≥1CFU/ml ≥10CFU/g
		Staphylococcus Aureus	IS 5887 (Part 2): 1976 (RA2005)	≥1CFU/ml ≥10CFU/g
B. Cereus	IS 5887 (Part 6): 2012	≥1CFU/ml ≥10CFU/g		
Clostridium Perfringenes	IS 5887 (Part 4): 1999 (RA2005)	Qualitative (Present/Absent) / g		

Laboratory Advance Research & Analytical Services, 1/8 South Side GT Road, Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Biological Testing **Issue Date** 31.03.2015

Certificate Number T-1438 **Valid Until** 30.03.2017

Last Amended on - **Page** 4 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	(Khoya Sweets, Chhena Sweets, Rasmalai, Petha, Besan Laddu, Saun Papri, Gulab Jamun)	Listeria Monocytogenes	IS 14988 (Part 1): 2001	Qualitative (Present/Absent) / 25g
		Enterobacteriaceae	IS 7402: 1993 (RA2001)	≥1CFU/ml ≥10CFU/g
4.	Cereal & Cereals Products			
i.	Malted & Malt Based Foods (Malted Milk Food, Malt Food), Wheat ,Wheat Products, Oats Premixes ,Fortified Flours & Weaning Foods	Bacterial Count	IS 5402: 2012	≥10CFU/g
		Coliform Count	IS 5401: 2002	≥10CFU/g
		Yeast & Mould Count	IS 5403: 1999	≥10CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 25g
		Shigella	IS 5887 (Part 7): 1976 (RA2005)	Qualitative (Present/Absent) / 25g
		E. Coli	IS 5887 (Part 1): 1976 (RA 2005)	≥10CFU/g
		Vibrio Cholera	IS 5887 (Part 5): 1976	Qualitative (Present/Absent) /25g
		Vibrio Paraheamolyticus	IS 5887 (Part 5): 1976	Qualitative (Present/Absent) / 25g
		Faecal Streptococci	IS 5887 (Part 2): 1976 (RA 2005)	≥10CFU/g
		Enterobacteriaceae	IS 7402: 1993 (RA 2001)	≥10CFU/g
		Staphylococcus Aureus	IS 5887 (Part 2): 1976 (RA 2005)	≥10CFU/g

Laboratory	Advance Research & Analytical Services, 1/8 South Side GT Road, Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	31.03.2015
Certificate Number	T-1438	Valid Until	30.03.2017
Last Amended on	-	Page	5 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Malted & Malt Based Foods (Malted Milk Food, Malt Food), Wheat ,Wheat Products, Oats Premixes ,Fortified Flours & Weaning Foods	B. Cereus	IS 5887 (Part 6): 2012	≥10CFU/g
		Listeria Monocytogenes	IS 14988 (Part 1): 2001	Qualitative (Present/Absent) / 25g
5.	Tea & Coffee Tea, Coffee in Powder / Raw Material, Chicory	Bacterial Count	IS 5402: 2012	≥1CFU/ml ≥10CFU/g
		Coliform Count	IS 5401: 2002	≥1CFU/ml ≥10CFU/g
		Yeast & Mould Count	IS 5403: 1999	≥1CFU/ml ≥10CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 25g
		Shigella	IS 5887 (Part 7): 1976 (RA2005)	Qualitative (Present/Absent) / 25g
		E. Coli	IS 5887 (Part 1): 1976 (RA2005)	≥1CFU/ml ≥10CFU/g
		Staphylococcus Aureus	IS 5887 (Part 2): 1976 (RA2005)	≥1CFU/ml ≥10CFU/g
		B. Cereus	IS 5887 (Part 6): 2012	≥1CFU/ml ≥10CFU/g

**Rini Narayan
Convenor**

**N. Venkateswaran
Program Manager**

Laboratory	Advance Research & Analytical Services, 1/8 South Side GT Road, Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	31.03.2015
Certificate Number	T-1438	Valid Until	30.03.2017
Last Amended on	-	Page	6 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Tea, Coffee in Powder / Raw Material, Chicory	Clostridium Perfringenes	IS 5887 (Part 4): 1999 (RA2005)	Qualitative (Present/Absent) / g
		Listeria Monocytogenes	IS 14988 (Part 1): 2001	Qualitative (Present/Absent) / 25g
		Enterobacteriaceae	IS 7402: 1993 (RA2001)	≥1CFU/ml ≥10CFU/g
6.	Sugar And Sugar Products			
i.	Invert Syrups, Caramelized Sugar, Refined Sugar, Cube Sugar, Raw Sugar, Jaggery	Total Plate Count	IS 5402: 2012	≥1CFU/ml ≥10CFU/g
		Coliform Count	IS 5401: 2002 (Part 1)	≥1CFU/ml ≥10CFU/g
		E. Coli	IS 5887 (Part 1): 1976 (RA 2005)	≥1CFU/ml ≥10CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 25g
		Staphylococcus Aureus	IS 5887 (Part 8/Sec 1): 1976 (RA 2005)	≥10CFU/g
		Yeast & Mould Count	IS 5403: 1999	≥10CFU/g (for Other Samples)
		Thermophilic Flat Sour Spore Former	Chapter 25, APHA (4 th edition): 2001	Qualitative (Present/Absent) / g
		Bacillus Cereus	IS 5887 (Part 6): 2012	≥1CFU/ml ≥10CFU/g

Laboratory	Advance Research & Analytical Services, 1/8 South Side GT Road, Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	31.03.2015
Certificate Number	T-1438	Valid Until	30.03.2017
Last Amended on	-	Page	7 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Invert Syrups, Caramelized Sugar, Refined Sugar, Cube Sugar, Raw Sugar, Jaggery	Enterobacteriaceae	IS 7402: 1993 (RA2001)	≥1CFU/ml ≥10CFU/g
7.	Meat & Meat Products			
i.	Canned Beef, Meat, Chicken	Total Plate Count	IS 5402: 2012	≥10CFU/g
		E . Coli	IS 5887 (Part 1): 1976 (RA2005)	≥10CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 25g
		Staphylococcus Aureus	IS 5887 (Part 2): 1976 (RA2005)	≥10CFU/g
		Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2005)	Qualitative (Present/Absent) / g
		Clostridium Spp.	IS 5887 (Part 4): 1999 (RA 2005)	Qualitative (Present/Absent) / g
		Yeast & Mould Count	IS 5403: 1999	≥10CFU/g
		Listeria Monocytogenes	IS 14988 (Part 1): 2001	Qualitative (Present/Absent) / 25g
		Enterobacteriaceae	IS 7402: 1993 (RA2001)	≥10CFU/g
		Sulphite Spoilage Count	Chapter 27, APHA (4 th edition) 2001	Qualitative (Present or Absent)/g or ml

Laboratory Advance Research & Analytical Services, 1/8 South Side GT Road, Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Biological Testing **Issue Date** 31.03.2015

Certificate Number T-1438 **Valid Until** 30.03.2017

Last Amended on - **Page** 8 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
ii.	Sea Foods (Frozen, Raw And Cooked)	Total Plate Count	IS 5402: 2012	≥10CFU/g
		E. Coli	IS 5887 (Part 1): 1976 (RA 2005)	≥10CFU/g
		Staphylococcus Aureus	IS 5887 (Part 2): 1976 (RA 2005)	≥10CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 25g
		Shigella	IS 5887 (Part 7): 1976 (RA 2005)	Qualitative (Present/Absent) / 25g
		Vibro Chlorae	IS 5887 (Part 5): 1976	Qualitative (Present/Absent) / 25g
		Vibro Parahaemolyticus	IS 5887 (Part 5): 1976	Qualitative (Present/Absent) / 25g
		Clostridium Perfringens	IS 5887 (Part 4): 1999 (RA 2004)	Qualitative (Present/Absent) / g
	Enterobacteriaceae	IS 7402: 1993 (RA 2001)	≥10CFU/g	
8.	Herbs, Spices & Condiments Spices (Caraway, Cardmom, Chillies, Capsicum, Cinnamon, Casia, Cloves, Coriander, Cumin, Fennel, Fenugreek, Ginger, Mace, Mustard, Nutmeg, Black Pepper, Poppy,	Total Plate Count	IS 5402: 2012	≥10CFU/g
		Coliform Count	IS 5401 (Part 1): 2002	≥10CFU/g
		E. Coli	IS 5887 (Part 1): 1976 (RA 2005)	≥10CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 25g
		Shigella	IS 5887 (Part 7): 1976 (RA 2005)	Qualitative (Present/Absent) / 25g

Laboratory	Advance Research & Analytical Services, 1/8 South Side GT Road, Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	31.03.2015
Certificate Number	T-1438	Valid Until	30.03.2017
Last Amended on	-	Page	9 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Saffron, Turmeric, Curry Powder, Mixed Masala, Aniseed, Ajowan, Dried Mango Slices Powder, Pepper White, Garlic, Celery, Dehydrated Onion)	Staphylococcus Aureus	IS 5887 (Part 8/Sec I): 1976 (RA 2005)	≥10CFU/g
		Yeast & Mould Count	IS 5403: 1999	≥10CFU/g
		Anaerobic Spore Count	IS 5887 (Part 4): 1999 (RA2005)	≥10CFU/g
		Listeria Monocytogenes	IS 14988 (Part 1): 2001	Qualitative (Present/Absent) / 25g
		Enterobacteriaceae	IS 7402: 1993 (RA 2001)	≥10CFU/g
9.	Fruits & Fruits Products , Vegetable And Vegetable Products			
i.	Thermally Processed, Dehydrated Fruits & Vegetable Products (Soup Powder, Desiccated Coconut Powder, Cooked Food)	Total Plate Count	IS 5402: 2012, IS 2860: 1964	≥1CFU/ml ≥10CFU/g
		Incubation At 37°C & 55°C	IS 2860: 1964	Qualitative (Passes/Fail the Test)
		Yeast & Mould Count	IS 5403: 1999 IS 2860: 1964	≥1CFU/ml ≥10CFU/g
		E.Coli	IS 5887 (Part 1): 1976 (RA 2005)	≥1CFU/ml ≥10CFU/g
		S.Aureus	IS 5887 (Part 2): 1976 (RA2005)	≥1CFU/ml ≥10CFU/g
		B.Cereus	IS 5887 (Part 6): 2012	≥1CFU/ml ≥10CFU/g
		Enterobacteriaceae	IS 7402: 1993 (RA2001)	≥1CFU/ml ≥10CFU/g
	Coliform Count	IS 5401: 2002	≥1CFU/ml ≥10CFU/g	

Laboratory Advance Research & Analytical Services, 1/8 South Side GT Road,
Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Biological Testing **Issue Date** 31.03.2015

Certificate Number T-1438 **Valid Until** 30.03.2017

Last Amended on - **Page** 10 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
ii.	Tomato Products (Juices, Soup, Soup Powder, Puree, Paste, Ketchup, Sauces)	Incubation At 37°C & 55°C	IS 2860: 1964	Qualitative (Passes/Fail the Test)
		Total Plate Count	IS 5402: 2012	≥1CFU/ml ≥10CFU/g
iii.	Preserves, Pickles & Fruits Cereal Flakes	Total Plate Count	IS 5402: 2012	≥1CFU/ml ≥10CFU/g
		Yeast & Mould Count	IS 5403: 1999	≥1CFU/ml ≥10CFU/g
		Staphylococcus Aureus	IS 5887 (Part 2): 1976 (RA 2005)	≥1CFU/ml ≥10CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 25g
		Shigella	IS 5887 (Part 7): 1976 (RA 2005)	Qualitative (Present/Absent) / 25g
		Clostridium Spp.	IS 5887 (Part 4): 1999 (RA 2005)	Qualitative (Present/Absent) / g
		E. Coli	IS 5887 (Part 1): 1976 (RA 2005)	≥1CFU/ml ≥10CFU/g
		Vibrio Cholera	IS 5887 (Part 5): 1976	Qualitative (Present/Absent) / 25g
		Flat Sour Spore Formers	Chapter 25, APHA (4 th edition): 2001	Qualitative (Present/Absent) / g
	Enterobacteriaceae	IS 7402: 1993 (RA 2001)	≥1CFU/ml ≥10CFU/g	

Rini Narayan
Convenor

N. Venkateswaran
Program Manager

Laboratory Advance Research & Analytical Services, 1/8 South Side GT Road,
Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Biological Testing **Issue Date** 31.03.2015

Certificate Number T-1438 **Valid Until** 30.03.2017

Last Amended on - **Page** 11 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
10. i.	Namkeen (Bhujia,Alloo Bhujia, Pea Nuts, Moong Dal, Boondi)	Bacterial Count	IS 5402: 2012	≥10CFU/g
		Coliform Count	IS 5401: 2002	≥10CFU/g
		Yeast & Mould Count	IS 5403: 1999	≥10CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 25g
		Shigella	IS 5887 (Part 7): 1976 (RA2005)	Qualitative (Present/Absent) / 25g
		E. Coli	IS 5887 (Part 1): 1976 (RA2005)	≥10CFU/g
		Enterobacteriaceae	IS 7402: 1993 (RA 2001)	≥10CFU/g
11. i.	Soft Drinks Carbonated/Non Carbonated Beverages, Vinegars, Alcoholic/Non Alcoholic Beverages	Total Plate Count	IS 5402: 2012	≥1CFU/ml
		Coliform Count	IS 5401 (Part 1): 2002	≥1CFU/ml
		E. Coli	IS 5887 (Part 1): 1976 (RA 2005)	≥1CFU/ml
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 25g
		Faecal Coliform	IS 5887 (Part 1): 1976 (RA 2005)	≥2 MPN/ml
		Staphylococcus Aureus	IS 5887 (Part 8/Sec I): 1976	≥1CFU/ml
		Yeast & Mould Count	IS 5403: 1999	≥1CFU/ml

Rini Narayan
Convenor

N. Venkateswaran
Program Manager

Laboratory Advance Research & Analytical Services, 1/8 South Side GT Road,
Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Biological Testing **Issue Date** 31.03.2015

Certificate Number T-1438 **Valid Until** 30.03.2017

Last Amended on - **Page** 12 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Carbonated/Non Carbonated Beverages, Vinegars, Alcoholic/Non Alcoholic Beverages	Thermophillic Flat Sour Spore Former	Chapter 25,APHA (4 th edition): 2001	Qualitative (Present/Absent) /g
		Bacillus Cereus	IS 5887 (Part 6): 2012	≥1CFU/ml
		Enterobacteriaceae	IS 7402: 1993 (RA 2001)	≥1CFU/ml
12.	Other Products			
i.	Pan Masala	Total Plate Count	IS 5402: 2012	≥10CFU/g
	Baking Powder	Coliform	IS 5401 (Part 1): 2002	≥10CFU/g
	Health Supplements	Yeast & Mould Count	IS 5403: 1999	≥10CFU/g
		E.Coli	IS 5887 (Part 1): 1976 (RA2005)	≥10CFU/g
		Staphylococcus Aureus	IS 5887 (Part 2): 1976 (RA2005)	≥10CFU/g
		Salmonella	IS 5887 (Part 3): 1999	Qualitative Present/Absent) / 25g
		Shigella	IS 5887 (Part 7): 1976 (RA2005)	Qualitative (Present/Absent) / 25g
		Clostridium	IS 5887 (Part 4): 1999 (RA2005)	Qualitative (Present/Absent) / g
II.	COSMETICS AND ESSENTIAL OILS			
1.	(Lotions, Creams, Gels, Tonners, Lipsticks)	Total Viable Count	IS 14648: 2011	≥1CFU/ml ≥10CFU/g
		Total Bacterial Count	IS 14648: 2011	≥1CFU/ml ≥10CFU/g
		Yeast & Mould Count	IS 14648: 2011	≥1CFU/ml ≥10CFU/g

Rini Narayan
Convenor

N. Venkateswaran
Program Manager

Laboratory Advance Research & Analytical Services, 1/8 South Side GT Road, Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Biological Testing **Issue Date** 31.03.2015

Certificate Number T-1438 **Valid Until** 30.03.2017

Last Amended on - **Page** 13 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	(Lotions, Creams, Gels, Tonners, Lipsticks)	Staphylococcus Aureus	IS 14648: 2011	Qualitative (Present /Absent)/ g
		Gram Negative Enteric Pathogen	IS 14648: 2011	Qualitative (Present /Absent)/ g
		Pseudomonas Aeruginosa	IS 14648: 2011	Qualitative (Present /Absent)/ g
		Preservative Efficacy Test / Anti-Microbial Efficacy of Preservatives	IP.: 2010	Qualitative (Fail/Passes)
III.	BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS			
1.	Soaps Detergents	Total Viable Count	IS 14648: 2011	≥1CFU/ml ≥10CFU/g
		Total Bacterial Count	IS 14648: 2011	≥1CFU/ml ≥10CFU/g
		Yeast & Mould Count	IS 14648: 2011	≥1CFU/ml ≥10CFU/g
		Staphylococcus Aureus	IS 14648: 2011	Qualitative (Present /Absent)/ g
		Gram Negative Enteric Pathogen	IS 14648: 2011	Qualitative (Present /Absent)/ g
		Pseudomonas Aeruginosa	IS 14648: 2011	Qualitative (Present /Absent)/ g
		Preservative Efficacy Test /Anti-Microbial Efficacy of Preservatives	IP.: 2010	Qualitative (Fail/Passes)

Laboratory Advance Research & Analytical Services, 1/8 South Side GT Road,
Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Biological Testing **Issue Date** 31.03.2015

Certificate Number T-1438 **Valid Until** 30.03.2017

Last Amended on - **Page** 14 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
III.	WATER			
i.	Drinking Water, Water for Processed Food Industries, Packaged Drinking Water	Tota Plate Count/ Aerobic Microbial Count	IS 1622: 1981 IS 5402:2002	15 to 300 colonies X DF (CFU/ml)
		Yeast And Mould	IS 5403: 2005	15 to 300 colonies X DF (CFU/ml)
		Coliform	IS 1622: 1981 IS 5401 (Part 1): 2002	MPN Index / 100ml Qualitative (Present/ Absent) 100ml to 250ml
		E. Coli	IS 1622: 1981 IS 5887 (Part 1): 1976	Qualitative (Present/Absent)/100ml Qualitative (Present/Absent)/250ml
		Faecal Streptococci	IS 1622: 1981	Qualitative (MPN Index/100 ml)
		(Enterococci)	IS 5887 (Part 2): 1976 , IS 15186: 2002	Qualitative (Present/Absent)/250ml
		Salmonella	IS 5887 (Part 3): 1999	Qualitative (Present/Absent) / 250ml
		Shigella	IS 5887 (Part 7): 1999	Qualitative (Present/Absent) / 250ml

Rini Narayan
Convenor

N. Venkateswaran
Program Manager

Laboratory Advance Research & Analytical Services, 1/8 South Side GT Road, Bulandshar Industrial Area, Lal Kuan, NH-24, Ghaziabad, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Discipline Biological Testing **Issue Date** 31.03.2015

Certificate Number T-1438 **Valid Until** 30.03.2017

Last Amended on - **Page** 15 of 15

S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Drinking Water, Water for Processed Food Industries, Packaged Drinking Water	Pseudomonas Aeruginosa	IS 13428: 1998,Annexure C	Qualitative (Present/Absent) / 250ml
		Listeria Monocytogenes	IS 14988 (Part 1): 2001	Qualitative (Present/Absent) / 250ml
		Vibrio Cholera/ Vibrio Parahaemolyticus	IS 5887 (Part 5): 1976	Qualitative (Present/Absent) / 250ml
		Faecal Coliform	IS 1622: 1981	Qualitative (MPN Index/100 ml)
		Sulfite Reducing Anaerobes	IS 13428	Qualitative (Present/Absent) / 250ml
		Proteolytic Bacteria	IS 4251	15-300 colonies X DF (CFU/ml)
		Lipolytic Bacteria	IS 4251	15-300 colonies X DF (CFU/ml)
		Thermophillic Bacteria	IS 4251	15-300 colonies X DF (CFU/ml)
		Klebsiella strain (Coliform)	APHA 9222 F	Qualitative (Present/Absent)/250 ml

-X-X-X-X-X-X-X-X-X-X-X-X-

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**.

Rini Narayan
Convenor

N. Venkateswaran
Program Manager