

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	1 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. WATER				
1.	Packaged drinking water, Packaged natural mineral water	<i>E-coli</i>	IS 15185 : 2002 ISO 9308 : 1	Present or Absent/250 ml
		Coliform	IS 15185 : 2002 ISO 9308 : 1	Present or Absent/250 ml
		Faecal Streptococci	IS 15186 : 2002 ISO 7899 : 2	Present or Absent/250 ml
		<i>Staphylococcus aureus</i>	IS 5887 : 1976 (Part-II) (RA 2005)	Present or Absent/250 ml
		Sulphite Reducing Anaerobes	IS 13428 : 2005 Annex C Amnd 4	Present or Absent/50 ml
		<i>Pseudomonas aeruginosa</i>	IS 13428 : 2005 Annex D Amnd 4	Present or Absent/250 ml
		Aerobic Microbial Count/ Standard plate count/Total plate count/Total microbial count at 37°C and 22°C	IS 5402 : 2002	Present or Absent/250 ml
		Yeast and Mould	IS 5403 : 1999 (RA 2005)	Present or Absent/250 ml
		<i>Salmonella</i>	IS 15187 : 2002	Present or Absent/250 ml
		<i>Shigella</i>	IS 5887 : 1999 (Part VII) (RA 2005)	Present or Absent/250 ml
<i>Vibrio cholera & Vibrio parahaemolyticus</i>	IS 5887 : 1976 (Part V) (RA 2005)	Present or Absent/250 ml		

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	2 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
2.	Raw water, Source Water, Drinking water	<i>E-coli</i>	IS 1622 : 1981 (RA 2003) Amnd 4	1MPN/100 ml and above
		Coliform	IS 1622 : 1981 (RA 2003) Amnd 4	1 MPN/100ml and above
		Thermotolerant coliform (Faecal coliform)	IS 1622 : 1981 (RA 2003) Amnd 4	1 MPN/100ml and above
3.	Water for food Processing Industry	Aerobic Microbial Count/Standard plate count/Total plate count/Total microbial count	IS 1622 : 1981 (RA 2003) Amnd 4	1 cfu/ml and above
		Proteolytic and lipolytic count	IS 4251 : 1967 (RA 1992)	1 cfu/ml and above
		Coliform	IS 1622 : 1981 (RA 2003) Amnd 4	1 MPN/100ml and above
4.	Water and Ice as per EEC directive 98/83/EC	<i>E-coli</i>	IS 15185 : 2002 ISO 9308 : 1	0/250 ml and above
		Coliform	IS 15185 : 2002 ISO 9308 : 1 APHA Ch. 9221 22nd edition APHA Ch. 9221 22nd edition	0/250 ml and above Present/Absent/250ml 1 MPN/100 ml and above
		Enterococci	IS 15186 : 2002 ISO 7899 : 2	0/250 ml and above
		<i>Pseudomonas aeruginosa</i>	IS 13428 : 2005 Annex D Amnd 4	Present or Absent/250 ml

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	4 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Waste water	<i>Pseudomonas aeruginosa</i>	IS 13428 : 2005 Annex D Amnd 4 APHA Ch. 9213 22nd edition	Present or Absent/ 250 ml/100ml 1 MPN/100 ml and above
		Aerobic Microbial Count/Standard plate count/Total plate count/Total microbial count	IS 1622 : 1981 (RA 2003) Amnd 4	1 cfu/ml and above
		Yeast and Mould	IS 5403 : 1999 (RA 2005) IS 15188 : 2002	1 cfu/ml and above
		<i>Salmonella</i>	IS 15187 : 2002	Present or Absent/ 250 ml/100ml
		<i>Shigella</i>	IS 5887 : 1999 (Part VII) (RA 2005) IS 15188 : 2002	Present or Absent/ 250 ml/100ml
		<i>Vibrio cholera & Vibrio parahaemolyticus</i>	IS 5887 : 1976 (Part V) (RA 2005) IS 15188 : 2002	Present or Absent/ 250 ml/100ml
		<i>Clostridium perfringens</i>	98/83/EC Directive	0/100ml and above
		Proteolytic and lipolytic count	IS 4251 : 1967 (RA 1992)	1 cfu/ml and above
		Faecal coliforms	IS 1622 : 1981 (RA 2003) Amnd 4	1 MPN/100ml and above

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	5 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
6.	Water purifiers: UV based water purifiers	Disinfection Efficacy against <i>Micrococcus luteus</i>	IS 14724 : 1999 Amnd 2 Annex A (Clause 6.2.2.3)	0 - 100%
II. FOOD AND AGRICULTURAL PRODUCTS				
1.	Cereals, Pulses, Grains, Seeds, Husks, Flours, nut & nut products, Fruits and vegetables and its products, Herbs, Spices, Condiments, Tea, Coffee	Aerobic Microbial Count/ Standard plate count/Total plate count/Total microbial count	IS 5402 : 2012 ISO 4833 : 2003 USFDA BAM Ch.3, Jan 2001	1 cfu/ml and above 1 cfu/ml and above 10 cfu/g and above
Yeast & Mould		IS 5403 : 1999 (RA 2005) ISO 7954 USFDA BAM Ch.18, Apr 2001	1 cfu/ml and above 10 cfu/g and above	
Coliform		IS 5401 : 2012 (Part I)	Absent/ Present/gm Absent/ Present/0.1 gm	
		IS 5401 : 2012 (Part I)	10 cfu/gm and above 1 cfu/ml and above	
		IS 5401 : 2002 (Part II)	0.3 MPN/gm and above	
		USFDA BAM Ch.4, Feb 2013	3 MPN/gm and above	
		<i>E. coli</i> (Isolation)	IS 5887 (Part I) 1976 (RA 2005)	Present or Absent/ 25 gms or 25 ml

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	6 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Cereals, Pulses, Grains, seeds, Husks, Flours, nut & nut products Fruits and vegetables and its products, Herbs, Spices, Condiments, Tea, Coffee	<i>E. coli</i> (Enumeration)	IS 5887 : 1976 (Part I) (RA 2005)	10 cfu/ml and above 100 cfu/g and above
			USFDA BAM Ch.4, Feb 2013	3 MPN/gm and above
		<i>Salmonella</i>	IS 5887 : 1999 (Part III) (RA 2005) ISO 6579 : 1993	Present or Absent/ 25 gms or 25 ml
			USFDA BAM Ch.5, May 2014	Present or Absent/ 25 gms or 25 ml
			Real Time PCR RAL/BIOTECH-GMO/20	Present or Absent
			<i>S.aureus</i> (Enumeration)	IS 5887 : 1976 (Part II) (RA 2005)
		IS 5887 : 1999 (Part VIII/Sec 1) 2002 Amnd 1 ISO 6888 : 1 : 1999		10 cfu/g and above 1 cfu/ml and above
		USFDA BAM Ch. 12, Jan 2001		10 cfu/g and above 1 cfu/ml and above
			USFDA BAM Ch. 12, Jan 2001	3 MPN/gm and above
		<i>S.aureus</i> (Isolation)	IS 5887 : 1976 (Part II) (RA 2005)	Present or Absent/ 25 gms or 25 ml

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	8 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Cereals, Pulses, Grains, seeds, Husks, Flours, nut & nut products Fruits and vegetables and its products, Herbs, Spices, Condiments, Tea, Coffee	<i>Clostridium perfringens</i>	IS 5887 : 1999 (Part IV) (RA 2005)	1 cfu/ml and above 10 cfu/g and above
			IS 5887 : 1999 (Part IV) (RA 2005)	Present or Absent/ 25 gms or 25 ml
			USFDA BAM Ch. 16, Jan 2001	1 cfu/ml and above 10 cfu/g and above
		<i>Vibrio cholera</i>	IS 5887 : 1976 (Part V) (RA 2005)	Present or Absent/ 25 gms or 25 ml
			IS 5887 : 1976 (Part V) (RA 2005)	10 cfu/ml and above 100 cfu/g and above
			USFDA BAM Ch.9, May 2004	Present or Absent/ 25 gms or 25 ml
		<i>Vibrio parahaemolyticus</i>	IS 5887 : 1976 (Part V) (RA 2005)	Present or Absent/ 25 gms or 25 ml
			IS 5887 : 1976 (Part V) (RA 2005)	10 cfu/ml and above 100 cfu/g and above
			USFDA BAM Ch.9, May 2004	Present or Absent/ 25 gms or 25 ml
			IS 14987 : 2001 ISO 8914 : 1990	Present or Absent/ 25 gms or 25 ml
	Faecal coliforms		USFDA BAM Ch. 4, Feb 2013	3 MPN/g/ml

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	9 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Cereals, Pulses, Grains, seeds, Husks, Flours, nut & nut products Fruits and vegetables and its products, Herbs, Spices, Condiments, Tea, Coffee	<i>Pseudomonas aeruginosa</i>	RAL/MICRO-FOOD/39 Sep 2013	Present or Absent/ 25 gms or 25 ml
		Mould count	AOAC 19 th Edn.	> 1% Positive field
		Yeast & spores	AOAC 19 th Edn.	> 1 per 1/60 cmm
		Aciduric Flat sour organisms	APHA Compendium Ch.24 ; 4 th edition	1 cfu/ml and above 10 cfu/g and above
		Faecal streptococci	IS 5887 : 1976 (Part II) (RA 2005)	1 cfu/ml and above 10 cfu/g and above
			IS 5887 : 1976 (Part II) (RA 2005)	0.3 MPN / gm or ml
			APHA Compendium Ch. 9 ; 4 th edition	1 cfu/ml and above 10 cfu/g and above
		Listeria monocytogenes	IS 14988 (I) 2001 ISO 11290 (I) : 1996	Present or Absent/ 25 gms or 25 ml
			USFDA BAM Ch. 10, Feb 2014	Present or Absent/ 25 gms or 25 ml
			Real Time PCR RAL/BIOTECH-GMO/21	Present or Absent/ 25 gms or 25 ml

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	10 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
2.	Canned and Processed Foods			
a.	Ready to eat food items, Dietary Foods, Supplementary foods, Bakery and bakery products, Snacks and Instant Mixes, Processed foods, Jams, Jellies, Pickles, Sauces & Concentrates	Aerobic Microbial Count/Standard plate count/Total plate count/Total microbial count	IS 5402 : 2012	1 cfu/ml and above
ISO 4833 : 2003				
			USFDA BAM Ch.3, Jan 2001	1 cfu/ml and above 10 cfu/g and above
Yeast & Mould		IS 5403 : 1999 (RA 2005)	1 cfu/ml and above	
		ISO 7954	10 cfu/g and above	
Coliform		USFDA BAM Ch.18, Apr 2001		
		IS 5401 : 2012 (Part I)	Absent/ Present/gm Absent/ Present/0.1 gm	
		IS 5401 : 2012 (Part I)	10 cfu/gm and above 1 cfu/ml and above	
		IS 5401 : 2002 (Part II)	0.3 MPN/gm and above	
		USFDA BAM Ch.4, Feb 2013	3 MPN/gm and above	
	<i>E. coli</i> (Isolation)	IS 5887 : 1976 (Part I) (RA 2005)	Present or Absent/ 25 gms or 25 ml	
<i>E. coli</i> (Enumeration)	IS 5887 : 1976 (Part I) (RA 2005)	10 cfu/ml and above 100 cfu/g and above		
	USFDA BAM Ch.4, Feb 2013	3 MPN/gm and above		

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	11 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ready to eat food items, Dietary Foods, Supplementary foods, Bakery and bakery products, Snacks and Instant Mixes, Processed foods, Jams, Jellies, Pickles, Sauces & Concentrates	<i>Salmonella</i>	IS 5887 : 1999 (Part III) (RA 2005) ISO 6579 : 1993	Present or Absent/ 25 gms or 25 ml
			USFDA BAM Ch.5, May 2014	Present or Absent/ 25 gms or 25 ml
			Real Time PCR RAL/BIOTECH-GMO/20	Present or Absent
		<i>S.aureus</i> (Enumeration)	IS 5887 : 1976 (Part II) (RA 2005)	10 cfu/g and above 1 cfu/ml and above
			IS 5887 : 1999 (Part VIII/Sec 1) 2002 Amnd 1 ISO 6888 : 1 : 1999	10 cfu/g and above 1 cfu/ml and above
			USFDA BAM Ch. 12, Jan 2001	10 cfu/g and above 1 cfu/ml and above
			USFDA BAM Ch. 12, Jan 2001	3 MPN/gm and above
		<i>S.aureus</i> (Isolation)	IS 5887 : 1976 (Part II) (RA 2005)	Present or Absent/ 25 gms or 25 ml
		<i>Shigella spp</i>	IS 5887 : 1999 (Part VII) (RA 2005)	Present or Absent/ 25 gms or 25 ml
			USFDA BAM Ch. 6, Feb 2013	Present or Absent/ 25 gms or 25 ml

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	12 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection	
	Ready to eat food items, Dietary Foods, Supplementary foods, Bakery and bakery products, Snacks and Instant Mixes, Processed foods, Jams, Jellies, Pickles, Sauces & Concentrates	Enterobacteriaceae	Health Protection Agency, National Standard Method F -18 latest	3 MPN/g/ml and above	
			Health Protection Agency, National Standard Method F -23 latest	10 cfu/g and above 1 cfu/ml and above	
			ISO 7402 : 1993 (RA 2001)	10 cfu/g and above 1 cfu/ml and above	
		<i>Bacillus cereus</i>	USFDA BAM-2001 Ch. 14, Feb 2014	1 cfu/ml and above 10 cfu/g and above	
				USFDA BAM-2001 Ch. 14, Feb 2014	3 MPN/g/ml and above
			IS 5887 : 2012 (Part VI) 1999 (RA 2005) ISO 7932 : 2004	1 cfu/ml and above 10 cfu/g and above	
			<i>Clostridium perfringens</i>	IS 5887 : 1999 (Part IV) (RA 2005)	1 cfu/ml and above 10 cfu/g and above
				IS 5887 : 1999 (Part IV) (RA 2005)	Present or Absent/ 25 gms or 25 ml
				USFDA BAM Ch. 16, Jan 2001	1 cfu/ml and above 10 cfu/g and above

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	13 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ready to eat food items, Dietary Foods, Supplementary foods, Bakery and bakery products, Snacks and Instant Mixes, Processed foods, Jams, Jellies, Pickles, Sauces & Concentrates	<i>Vibrio cholera</i>	IS 5887 : 1976 (Part V) (RA 2005)	Present or Absent/ 25 gms or 25 ml
			IS 5887 : 1976 (Part V) (RA 2005)	10 cfu/ml and above 100 cfu/g and above
			USFDA BAM Ch.9, May 2004	Present or Absent/ 25 gms or 25 ml
		<i>Vibrio parahaemolyticus</i>	IS 5887 : 1976 (Part V) (RA 2005)	Present or Absent/ 25 gms or 25 ml
			IS 5887 : 1976 (Part V) (RA 2005)	10 cfu/ml and above 100 cfu/g and above
			USFDA BAM Ch.9, May 2004	Present or Absent/ 25 gms or 25 ml
			IS 14987 : 2001 ISO 8914 : 1990	Present or Absent/ 25 gms or 25 ml
		Faecal coliforms	USFDA BAM Ch. 4, Feb 2013	3 MPN/g/ml
		<i>Pseudomonas aeruginosa</i>	RAL /MICRO-FOOD/39 Sep 2013	Present or Absent/ 25 gms or 25 ml
		Mould count	AOAC 19 th Edn.	> 1% Positive field
	Yeast & spores	AOAC 19 th Edn.	> 1 per 1/60 cmm	

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	14 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ready to eat food items, Dietary Foods, Supplementary foods, Bakery and bakery products, Snacks and Instant Mixes, Processed foods, Jams, Jellies, Pickles, Sauces & Concentrates	Aciduric Flat sour organisms	APHA Compendium Ch.24 4 th edition	1 cfu/ml and above 10 cfu/g and above
		Feacal streptococci	IS 5887 : 1976 (Part II) (RA 2005)	1 cfu/ml and above 10 cfu/g and above
			IS 5887 : 1976 (Part II) (RA 2005)	0.3 MPN/gm or ml
			APHA Compendium Ch. 9 4 th edition	1 cfu/ml and above 10 cfu/g and above
		Listeria monocytogenes	IS 14988 (I) 2001 ISO 11290 (I) 1996	Present or Absent/ 25gms or 25 ml
			USFDA BAM Ch. 10, Feb 2014	Present or Absent/ 25gms or 25 ml
			Real Time PCR RAL/BIOTECH-GMO/21	Present or Absent/ 25gms or 25 ml
b.	Fish & Sea Foods Products, Meat & Meat Products Poultry & Poultry Products	Aerobic Microbial Count/Standard plate count/Total plate count/Total microbial count	IS 5402 : 2012 ISO 4833 : 2003 USFDA BAM Ch.3, Jan 2001	1 cfu/ml and above 1 cfu/ml and above 10 cfu/g and above
		Yeast & Mould	IS 5403 : 1999 (RA 2005) ISO 7954 USFDA BAM Ch.18, Apr 2001	1 cfu/ml and above 10 cfu/g and above

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	15 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fish & Sea Foods Products, Meat & Meat Products Poultry & Poultry Products	Coliform	IS 5401 : 2012 (Part I)	Absent/ Present/gm Absent/ Present/0.1 gm
			IS 5401 : 2012 (Part I)	10 cfu/gm and above 1 cfu/ml and above
			IS 5401 : 2002 (Part II)	0.3 MPN /gm and above
			USFDA BAM Ch.4, Feb 2013	3 MPN /gm and above
		<i>E. coli</i> (Isolation)	IS 5887 : 1976 (Part I) (RA 2005)	Present or Absent/ 25 gms or 25 ml
		<i>E. coli</i> (Enumeration)	IS 5887 : 1976 (Part I) (RA 2005)	10 cfu/ml and above 100 cfu/g and above
			USFDA BAM Ch.4, Feb 2013	3 MPN /gm and above
		<i>Salmonella</i>	IS 5887 : 1999 (Part III) (RA 2005) ISO 6579 : 1993	Present or Absent/ 25 gms or 25 ml
			USFDA BAM Ch.5, May 2014	Present or Absent/ 25 gms or 25 ml
			Real Time PCR RAL/BIOTECH-GMO/20	Present or Absent

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	16 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection	
	Fish & Sea Foods Products, Meat & Meat Products Poultry & Poultry Products	<i>S.aureus</i> (Enumeration)	IS 5887 : 1976 (Part II) (RA 2005)	10 cfu/g and above 1 cfu/ml and above	
			IS 5887 : 1999 (Part VIII/Sec 1) 2002 Amnd 1 ISO 6888 : 1 : 1999	10 cfu/g and above 1 cfu/ml and above	
			USFDA BAM Ch. 12, Jan 2001	10 cfu/g and above 1 cfu/ml and above	
			USFDA BAM Ch. 12, Jan 2001	3 MPN/gm and above	
		<i>S.aureus</i> (Isolation)	IS 5887 : 1976 (Part II) (RA 2005)	Present or Absent/ 25 gms or 25 ml	
		<i>Shigella spp</i>	IS 5887 : 1999 (Part VII) (RA 2005)	Present or Absent/ 25 gms or 25 ml	
			USFDA BAM Ch. 6, Feb 2013	Present or Absent/ 25 gms or 25 ml	
		Enterobacteriaceae		Health Protection Agency, National Standard Method F -18 latest	3 MPN/g/ml and above
				Health Protection Agency, National Standard Method F -23 latest	10 cfu/g and above 1 cfu/ml and above
				ISO 7402 : 1993 (RA 2001)	10 cfu/g and above 1 cfu/ml and above

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	18 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Fish & Sea Foods Products, Meat & Meat Products Poultry & Poultry Products	<i>Vibrio parahaemolyticus</i>	IS 5887 : 1976 (Part V) (RA 2005)	Present or Absent/ 25 gms or 25 ml
			IS 5887 : 1976 (Part V) (RA 2005)	10 cfu/ml and above 100 cfu/g and above
			USFDA BAM Ch.9, May 2004	Present or Absent/ 25 gms or 25 ml
			IS 14987 : 2001 ISO 8914 : 1990	Present or Absent/ 25 gms or 25 ml
		Faecal coliforms	USFDA BAM Ch. 4, Feb 2013	3 MPN/g/ml
		<i>Pseudomonas aeruginosa</i>	RAL/MICRO-FOOD/39 Sep 2013	Present or Absent/ 25 gms or 25 ml
		Mould count	AOAC 19 th Edn.	> 1% Positive field
		Yeast & spores	AOAC 19 th Edn.	> 1 per 1/60 cmm
		Aciduric Flat sour organisms	APHA Compendium Ch.24, 4 th editon	1 cfu/ml and above 10 cfu/g and above
		Faecal streptococci	IS 5887 : 1976 (Part II) (RA 2005)	1 cfu/ml and above 10 cfu/g and above
		IS 5887 : 1976 (Part II) (RA 2005)	0.3 MPN/gm or ml	
		APHA Compendium Ch. 9, 4 th edition	1 cfu/ml and above 10 cfu/g and above	

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	19 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection	
	Fish & Sea Foods Products, Meat & Meat Products Poultry & Poultry Products	Listeria monocytogenes	IS 14988 (I) 2001 ISO 11290 (I) : 1996	Present or Absent/ 25gms or 25 ml	
			USFDA BAM Ch. 10, Feb 2014	Present or Absent/ 25gms or 25 ml	
			Real Time PCR RAL/BIOTECH-GMO/21	Present or Absent/ 25gms or 25 ml	
c.	Honey and Honey products	Aerobic Microbial Count/Standard plate count/Total plate count/Total microbial count	IS 5402 : 2012 ISO 4833 : 2003 USFDA BAM Ch.3, Jan 2001	1 cfu/ml and above 1 cfu/ml and above 10 cfu/g and above	
			Yeast & Mould	IS 5403 : 1999 (RA 2005) ISO 7954 USFDA BAM Ch.18, Apr 2001	1 cfu/ml and above 10 cfu/g and above
			Coliform	IS 5401 : 2012 (Part I)	Absent/ Present/gm Absent/ Present/0.1 gm
			IS 5401 : 2012 (Part I)	10 cfu/gm and above 1 cfu/ml and above	
			IS 5401 : 2002 (Part II)	0.3 MPN/gm and above	
			USFDA BAM Ch.4, Feb 2013	3 MPN/gm and above	
		<i>E. coli</i> (Isolation)	IS 5887 : 1976 (Part I) (RA 2005)	Present or Absent/ 25 gms or 25 ml	

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	20 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Honey and Honey products	<i>E. coli</i> (Enumeration)	IS 5887 : 1976 (Part I) (RA 2005)	10 cfu/ml and above 100 cfu/g and above
			USFDA BAM Ch.4, Feb 2013	3 MPN/gm and above
		<i>Salmonella</i>	IS 5887 : 1999 (Part III) (RA 2005) ISO 6579 : 1993	Present or Absent/ 25 gms or 25 ml
			USFDA BAM Ch.5, May 2014	Present or Absent/ 25 gms or 25 ml
			Real Time PCR RAL/BIOTECH-GMO/20	Present or Absent
		<i>S.aureus</i> (Enumeration)	IS 5887 : 1976 (Part II) (RA 2005)	10 cfu/g and above 1 cfu/ml and above
			IS 5887 : 1999 (Part VIII/Sec 1) 2002 Amnd 1 ISO 6888 : 1 : 1999	10 cfu/g and above 1 cfu/ml and above
			USFDA BAM Ch. 12, Jan 2001	10 cfu/g and above 1 cfu/ml and above
			USFDA BAM Ch. 12, Jan 2001	3 MPN/gm and above
		<i>S.aureus</i> (Isolation)	IS 5887 : 1976 (Part II) (RA 2005)	Present or Absent/ 25 gms or 25 ml

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	23 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Honey and Honey products	<i>Pseudomonas aeruginosa</i>	RAL/MICRO-FOOD/39 Sep 2013	Present or Absent/ 25 gms or 25 ml
		Mould count	AOAC 19 th Edn.	> 1% Positive field
		Yeast & spores	AOAC 19 th Edn.	> 1 per 1/60 cmm
		Aciduric Flat sour organisms	APHA Compendium Ch.24, 4 th editon	1 cfu/ml and above 10 cfu/g and above
		Feacal streptococci	IS 5887 : 1976 (Part II) (RA 2005)	1 cfu/ml and above 10 cfu/g and above
			IS 5887 : 1976 (Part II) (RA 2005)	0.3 MPN/gm or ml
			APHA Compendium Ch. 9, 4 th editon	1 cfu/ml and above 10 cfu/g and above
		Listeria monocytogenes	IS 14988 (I) 2001 ISO 11290 (I) : 1996	Present or Absent/ 25gms or 25 ml
			USFDA BAM Ch. 10, Feb 2014	Present or Absent/ 25gms or 25 ml
			Real Time PCR RAL/BIOTECH-GMO/21	Present or Absent/ 25gms or 25 ml

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	24 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection	
d.	Milk and dairy products	Aerobic Microbial Count/Standard plate count/Total plate count/Total microbial count	IS 5402 : 2012	1 cfu/ml and above	
			ISO 4833 : 2003	1 cfu/ml and above	
			USFDA BAM Ch.3, Jan 2001	10 cfu/g and above	
			Yeast & Mould	IS 5403 : 1999 (RA 2005)	1 cfu/ml and above
				ISO 7954	10 cfu/g and above
				USFDA BAM Ch.18, Apr 2001	
			Coliform	IS 5401 : 2012 (Part I)	Absent/ Present/gm
					Absent/ Present/0.1 gm
				IS 5401 : 2012 (Part I)	10 cfu/gm and above
			1 cfu/ml and above		
		IS 5401 : 2002 (Part II)	0.3 MPN/gm and above		
		USFDA BAM Ch.4, Feb 2013	3 MPN/gm and above		
	<i>E. coli</i> (Isolation)	IS 5887 : 1976 (Part I) (RA 2005)	Present or Absent/ 25gms or 25 ml		
	<i>E. coli</i> (Enumeration)	IS 5887 : 1976 (Part I) (RA 2005)	10 cfu/ml and above		
		USFDA BAM Ch.4, Feb 2013	100 cfu/g and above		
			3 MPN/gm and above		

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	25 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Milk and dairy products	<i>Salmonella</i>	IS 5887 : 1999 (Part III) (RA 2005) ISO 6579 : 1993 USFDA BAM Ch.5, May 2014	Present or Absent/ 25gms or 25 ml
			Real Time PCR RAL/BIOTECH-GMO/20	Present or Absent
		<i>S.aureus</i> (Enumeration)	IS 5887 : 1976 (Part II) (RA 2005)	10 cfu/g and above 1 cfu/ml and above
			IS 5887 : 1999 (Part VIII/Sec 1) 2002 Amnd 1 ISO 6888 : 1 : 1999	10 cfu/g and above 1 cfu/ml and above
			USFDA BAM Ch. 12, Jan 2001	10 cfu/g and above 1 cfu/ml and above
			USFDA BAM Ch. 12, Jan 2001	3 MPN /gm and above
		<i>S.aureus</i> (Isolation)	IS 5887 : 1976 (Part II) (RA 2005)	Present or Absent/ 25 gms or 25 ml
		<i>Shigella spp</i>	IS 5887 : 1999 (Part VII) (RA 2005)	Present or Absent/ 25 gms or 25 ml
			USFDA BAM Ch. 6, Feb 2013	Present or Absent/ 25 gms or 25 ml

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	28 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Milk and dairy products	Aciduric Flat sour organisms	APHA Compendium Ch.24, 4 th editon	1 cfu/ml and above 10 cfu/g and above
		Feacal streptococci	IS 5887 : 1976 (Part II) (RA 2005)	1 cfu/ml and above 10 cfu/g and above
			IS 5887 : 1976 (Part II) (RA 2005)	0.3 MPN/gm or ml
		Listeria monocytogenes	APHA Compendium Ch. 9, 4 th editon IS 14988 (I) 2001 ISO 11290 (I) 1996	1 cfu/ml and above 10 cfu/g and above Present or Absent/ 25gms or 25 ml
			USFDA BAM Ch. 10, Feb 2014	Present or Absent/ 25gms or 25 ml
			Real Time PCR RAL/BIOTECH-GMO/21	Present or Absent/ 25gms or 25 ml\
e.	Alcoholic and non alcoholic beverages, Juices and Pulps	Aerobic Microbial Count/Standard plate count/Total plate count/Total microbial count	IS 5402 : 2012 ISO 4833 : 2003 USFDA BAM Ch.3, Jan 2001	1 cfu/ml and above 1 cfu/ml and above 10 cfu/g and above
			Yeast & Mould	IS 5403 : 1999 (RA 2005) ISO 7954 USFDA BAM Ch.18, Apr 2001

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	29 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Alcoholic and non alcoholic beverages, Juices and Pulps	Coliform	IS 5401 : 2012 (Part I)	Absent/ Present/gm Absent/ Present/0.1 gm
			IS 5401 : 2012 (Part I)	10 cfu/gm and above 1 cfu/ml and above
			IS 5401 : 2002 (Part II)	0.3 MPN/gm and above
			USFDA BAM Ch.4, Feb 2013	3 MPN/gm and above
		<i>E. coli</i> (Isolation)	IS 5887 : 1976 (Part I) (RA 2005)	Present or Absent/ 25gms or 25 ml
		<i>E. coli</i> (Enumeration)	IS 5887 : 1976 (Part I) (RA 2005)	10 cfu/ml and above 100 cfu/g and above
			USFDA BAM Ch.4, Feb 2013	3 MPN/gm and above
		<i>Salmonella</i>	IS 5887 : 1999 (Part III) (RA 2005) ISO 6579 : 1993	Present or Absent/ 25 gms or 25 ml
			USFDA BAM Ch.5, May 2014	Present or Absent/ 25 gms or 25 ml
			Real Time PCR RAL/BIOTECH-GMO/20	Present or Absent

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	30 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection	
	Alcoholic and non alcoholic beverages, Juices and Pulps	<i>S.aureus</i> (Enumeration)	IS 5887 : 1976 (Part II) (RA 2005)	10 cfu/g and above 1 cfu/ml and above	
			IS 5887 : 1999 (Part VIII/Sec 1) 2002 Amnd 1 ISO 6888 : 1 : 1999	10 cfu/g and above 1 cfu/ml and above	
			USFDA BAM Ch. 12, Jan 2001	10 cfu/g and above 1 cfu/ml and above	
			USFDA BAM Ch. 12, Jan 2001	3 MPN/gm and above	
		<i>S.aureus</i> (Isolation)	IS 5887 : 1976 (Part II) (RA 2005)	Present or Absent/ 25 gms or 25 ml	
		<i>Shigella spp</i>	IS 5887 : 1999 (Part VII) (RA 2005)	Present or Absent/ 25 gms or 25 ml	
			USFDA BAM Ch. 6, Feb 2013	Present or Absent/ 25 gms or 25 ml	
		Enterobacteriaceae		Health Protection Agency, National Standard Method F -18 latest	3 MPN/g/ml and above
				Health Protection Agency, National Standard Method F -23 latest	10 cfu/g and above 1 cfu/ml and above
				ISO 7402 : 1993 (RA 2001)	10 cfu/g and above 1 cfu/ml and above

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	32 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Alcoholic and non alcoholic beverages, Juices and Pulps	<i>Vibrio parahaemolyticus</i>	IS 5887 : 1976 (Part V) (RA 2005)	Present or Absent/ 25 gms or 25 ml
			IS 5887 : 1976 (Part V) (RA 2005)	10 cfu/ml and above 100 cfu/g and above
			USFDA BAM Ch.9, May 2004	Present or Absent/ 25 gms or 25 ml
			IS 14987 : 2001 ISO 8914 : 1990	Present or Absent/ 25 gms or 25 ml
		Faecal coliforms	USFDA BAM Ch. 4, Feb 2013	3 MPN/g/ml
		<i>Pseudomonas aeruginosa</i>	RAL/MICRO-FOOD/39 Sep 2013	Present or Absent/ 25 gms or 25 ml
		Mould count	AOAC 19 th Edn.	> 1% Positive field
		Yeast & spores	AOAC 19 th Edn.	> 1 per 1/60 cmm
		Aciduric Flat sour organisms	APHA Compendium Ch.24, 4 th editon	1 cfu/ml and above 10 cfu/g and above
		Faecal streptococci	IS 5887 : 1976 (Part II) (RA 2005)	1 cfu/ml and above 10 cfu/g and above
		S 5887 : 1976 (Part II) (RA 2005)	0.3 MPN/gm or ml	
		APHA Compendium Ch. 9, 4 th edition	1 cfu/ml and above 10 cfu/g and above	

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	33 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Alcoholic and non alcoholic beverages, Juices and Pulps	Listeria monocytogenes	IS 14988 (I) 2001 ISO 11290 (I) 1996	Present or Absent/ 25 gms or 25 ml
			USFDA BAM Ch. 10, Feb 2014	Present or Absent/ 25 gms or 25 ml
			Real Time PCR RAL/BIOTECH-GMO/21	Present or Absent/ 25 gms or 25 ml
f.	Salt	<i>Staphylococcus aureus</i> (Coagulase +ve)	IS 5887 (Part II) (RA 2005)	Present or Absent/ 25 gms or 25 ml
			IS 5887 : 1999 (Part VIII/Sec 1) 2002 Amnd 1 ISO 6888 : 1 : 1999	1 cfu/ml and above 10 cfu/gm and above
		Sulphite Reducing Bacteria	ISO 15213	1 cfu/ml and above 10 cfu/gm and above
g.	Cocoa powder	<i>S.aureus</i> (Isolation)	IS 5887 : 1976 (Part II) (RA 2005)	Present or Absent/ 25 gms or 25 ml
		<i>Salmonella</i>	IS 5887:1999 (Part III) (RA 2005) ISO 6579 : 1993	Present or Absent/ 25 gms or 25 ml
		<i>E. coli</i> (Isolation)	IS 5887 : 1976 (Part I) (RA 2005)	Present or Absent/ 10 gms or 10 ml
		Yeast & Mould	IS 5403 : 1999 (RA 2005) ISO 7954	1 cfu/ml and above 10 cfu/ml and above 10 cfu/g and above

Laboratory	Reliable Analytical Laboratories Private Limited, Reliable House, 125 Indian Corpn Complex, Mankoli, Bhivandi, Thane, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Biological Testing	Issue Date	15.09.2014
Certificate Number	T-0606	Valid Until	14.09.2016
Last Amended on	-	Page	34 of 35

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
III. COSMETICS AND ESSENTIAL OILS				
1.	Cream, lotion Shampoo, powder, Lipstick Wax & Oil based products) and products to be used around eyes	Aerobic Microbial Count/Standard plate count/Total plate count/Total microbial count	IS 14648 : 2011	10 cfu/gm and above 1 cfu/ml and above
		Yeast And Mould	IS 14648 : 2011	10 cfu/gm and above 1 cfu/ml and above
		Gram –ve pathogens	IS 14648 : 2011	Present or Absent/ 25 gms or 25 ml
IV. GENETICALLY MODIFIED ORGANISMS				
1.	Soya	Qualitative PCR Tests for 35 S promoter and NOS terminator	RAL/BIOTECH-GMO/1 Mar 14(Seeds) RAL/BIOTECH-GMO/2 Mar 14 (Lecithin, Oils and distillates) RAL/BIOTECH-GMO/9 Mar 14(Seeds)	Present/Absent 0.1 %
2.	Cotton	Qualitative PCR Tests for 35 S promoter and NOS terminator	RAL/BIOTECH-GMO/3 Mar 14 (Cotton Seeds) RAL/BIOTECH-GMO/4 Mar 13 (Lint, Fiber) RAL/BIOTECH-GMO/5 Mar 13 (Leaves) RAL/BIOTECH-GMO/9 Mar 14 (Seeds)	Present/Absent 0.1 %

