

Laboratory Nestle Quality Assurance Laboratory, Nestle India Limited, Unit I & II,
Patti Kalyana, Kiwana Road, Samalkha, Panipat, Haryana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6887

Page 1 of 5

Validity 07.02.2018 to 06.02.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-----	----------------------------	-------------------------	---	--

BIOLOGICAL TESTING

I.	FOOD AND AGRICULTURE PRODUCTS			
1.	Infant Cereal products	Aerobic Mesophilic microorganisms	ISO 4833-1	≥10 cfu /g
		Enterobacteriaceae (Detection & Enumeration)	ISO-21528-1	Present / Absent in 0.1 g to 100g ≥0.3 MPN/g to 11000 MPN/g
		Coliform Detection	ISO 4831 / IS 5401 Part 2	Present / Absent in 0.1 g to 10 g
		Coliform Enumeration	ISO 4832 / IS 5401 Part 1	≥10 cfu/ g
		Escherichia coli – Detection	IS:5887 (Part 1)/ ISO 7251	Present / Absent in 0.1 g to 10 g
		Staphylococcus aureus Enumeration	ISO 6888-1/ IS 5887 (Part 8/Sec 1)	≥10 cfu /g
		Staphylococcus aureus Detection	ISO 6888-3	Present / Absent in 0.1 g to 10 g
		B. cereus presumptive Enumeration	ISO 7932	≥10 cfu/g
		Yeast & Moulds Enumeration	IS- 5403	≥10 cfu / g
		Sulfite Reducing Clostridia Enumeration	ISO-15213	≥10 cfu/ g
		L. monocytogenes Detection	ISO-11290-1 LI- 755-Vr. 01 Issue Date: August 2013	Present /Absent in 0.1 to 25g
2.	Infant Foods with & without probiotic bacteria	Aerobic Mesophilic microorganisms enumeration	ISO 4833-1	≥10 cfu / g
		Cronobacter spp. (E. sakazakii) detection	LI-743- Vr. 04 Issue Date: Jan. 2009	Present / Absent in 0.1 g to 100g

Vinay Kumar Tyagi
Convenor

N. Venkateswaran
Program Director

Laboratory Nestle Quality Assurance Laboratory, Nestle India Limited, Unit I & II,
Patti Kalyana, Kiwana Road, Samalkha, Panipat, Haryana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6887

Page 2 of 5

Validity 07.02.2018 to 06.02.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Enterobacteriaceae - Detection	ISO- 21528-1	Present / Absent in 0.1 g to 100 g ≥0.3 MPN/g to 11000 MPN/g
		Coliform Enumeration	ISO 4832 / IS 5401 Part 1	≥10 cfu/g
		Coliform Detection	ISO 4831 / IS 5401 Part 2	Present / Absent in 0.1 MPN / g to 10 g
		Escherichia coli detection	IS:5887 (Part 1) / ISO 7251	Present / Absent in 0.1 MPN / g to 10 g
		Staphylococcus aureus Enumeration	ISO 6888-1 / IS 5887 (Part 8 /Sec 1)	≥10 cfu / g
		Staphylococcus aureus Detection	ISO 6888-3	Present / Absent in 0.1 MPN / g to 10 g
		B. cereus presumptive, Enumeration	ISO 7932	≥10 cfu/g
		Yeast & Moulds Enumeration	IS- 5403	≥10 cfu / g
		Sulfite Reducing Clostridia Enumeration	ISO 15213	≥10 cfu / g
		Listeria monocytogenes Detection	ISO-11290-1 / LI- 755-Vr. 01 Issue Date: August 2013	Present / Absent in 0.1 g to 25g
	Infant Foods with probiotic bacteria	Contaminating microflora (cAMC) Enumeration	LI- 736- Vr. 01 Issue Date: Dec 2012	≥10 cfu / g
		Probiotic Bacteria- L. rhamnosus, B. lactis, L. reutri	LI-794-Vr. 01 Issue Date: Mar. 2012	≥10 cfu/g
3.	Milk & Dairy products Curd, Yoghurts, Raita and Dahi (with and without probiotic)	Enterobacteriaceae Enumeration	ISO: 21528-2017	≥10 cfu / g
		Coliform Enumeration	ISO 4832 / IS 5401 Part 1	≥10 cfu/ g
		Coliform- Detection	ISO 4831 / IS 5401 Part 2	Present / Absent in 0.1 g to 10 g

Laboratory Nestle Quality Assurance Laboratory, Nestle India Limited, Unit I & II,
Patti Kalyana, Kiwana Road, Samalkha, Panipat, Haryana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6887

Page 3 of 5

Validity 07.02.2018 to 06.02.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	bacteria)	Escherichia coli Detection	IS:5887 (Part 1)-1976	Present / Absent in 0.1 g to 1.0 g
		Yeast & Moulds Enumeration	IS- 5403	≥10 cfu / g
		Staphylococcus aureus Enumeration	ISO 6888-1	≥10 cfu / g
		B. cereus Enumeration	ISO 7932	≥10 cfu / g
		Lactic Acid Bacteria Enumeration	LI-731- Vr. 02 Issue Date: Jan'112008-10-30	≥10 cfu / g
		Listeria monocytogenes Detection	ISO-11290-1 / LI- 755-Vr. 01 Issue Date: August 2013	Present /Absent in 0.1 g to 25 g
4.	Dahi with probiotic bacteria	L. acidophilus Enumeration	ISO 20128	≥10 cfu /g

Laboratory Nestle Quality Assurance Laboratory, Nestle India Limited, Unit I & II,
Patti Kalyana, Kiwana Road, Samalkha, Panipat, Haryana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6887

Page 4 of 5

Validity 07.02.2018 to 06.02.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<u>CHECMICAL TESTING</u>				
I.	FOOD AND AGRICULTURE PRODUCTS			
1.	Infant Foods (Milk Based Infant Foods, Milk Powders, Cereal Based Infant Foods)	Fat Content	LI-00.520 Version- 05, Issue Date: October 2009	0.02g/100g to 35g/100g
		Protein	LI-00.556 Version- 05, Issue Date: December 2012	0.1g/100g to 30g/100g
		Moisture	LI-00.510 Version- 01, Issue date: September 2009 by(Karl Fischer)	0.1g/100g to 15g/100g
		Moisture	LI-00.500 Version- 02, Issue Date: January 2017	0.1g/100g to 15g/100g
		Total Ash	LI-00.565 Version- 04, Issue Date: August 99	0.05g/100g to 10g/100g
		pH	LI-00.011 Version- 00, Issue Date: July 2015	3.00 to 12.00
		Vitamin C as Ascorbic acid	LI-00.678 Version- 02, Issue Date: Dec 2009	5mg/100g to 300mg/100g
		Nitrite as NO ₂	LI-SGRL-99.026 Version- 03, Issue Date: September 2013	0.1mg/100g to 50mg/kg
		Sodium as Na	AOAC 20 th Edition, method 2011.14	5mg/100g to 2000mg/100g

Laboratory Nestle Quality Assurance Laboratory, Nestle India Limited, Unit I & II,
Patti Kalyana, Kiwana Road, Samalkha, Panipat, Haryana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6887

Page 5 of 5

Validity 07.02.2018 to 06.02.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Potassium as K	AOAC 20th Edition, AOAC-2011.14	5mg/100g to 2000mg/100g
		Calcium as Ca	AOAC 20th Edition, AOAC-2011.14	5 mg/100g to 2000mg/100g
		Magnesium as Mg	AOAC 20th Edition, AOAC-2011.14	2mg/100g to 500mg/100g
		Phosphorus as P	AOAC 20th Edition, AOAC-2011.14	5mg/100g to 1500mg/100g
		Iron as Fe	AOAC 20th Edition, AOAC-2011.14	0.5mg/100g to 50mg/100g
		Copper as Cu	AOAC 20th Edition, AOAC-2011.14	0.1mg/100g to 50mg/100g
		Manganese as Mn	AOAC 20th Edition, AOAC-2011.14	10 µg/100g to 500 µg/100g
		Zinc as Zn	AOAC 20th Edition , AOAC-2011.14	0.5mg/100g to 100mg/100g
		Chloride as Cl	LI-00.580, Version- 03, Issue date: Mar'2010	15mg/100g to 1500mg/100g
2.	Milk & Dairy products (Milk, Dahi / Yoghurt, Raita)	Protein	LI-00.556, Version- 05, Issue Date: Dec 2012	0.1g/100g to 30g/100g
		Fat Content	LI-00.520, Version- 05, Issue Date: Oct 2009	0.02g/100g to 35g/100g
		Total Solids	LI-00.501, Version- 02, Issue Date: Oct 1998	0.1g/100g to 50g/100g
		Total Ash	LI-00.565, Version- 04, Issue Date: Aug 99	0.05g/100g to 10g/100g
		pH	LI-00.011, Version- 00, Issue Date: July 2015	3.00 to 12.00
		Nitrite as NO ₂	LI-SGRL-99.026 Version- 03, Issue Date: September 2013	0.1mg/kg to 50mg/kg