

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 1 of 79

Validity 30.05.2018 to 29.05.2020

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
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BIOLOGICAL TESTING

I.	WATER			
1.	Packaged Drinking Water/ Packaged Natural Mineral Water	Escherichia coli	IS 15185-2016	Absent or Present/250ml
		Coliforms	IS 15185-2016	Absent or Present/250ml
		Enterococci	IS 15186-2002(Reaff.2014)	Absent or Present/250ml
		Staphylococcus aureus	IS 5887 Part 2-1976 (Reaff.2013)	Absent or Present/250ml
		Sulphite reducing anaerobes (clostridia)	Annex C of IS 13428-2005 (Reaff.2014)	Absent or Present/50ml
		Pseudomonas aeruginosa	Annex D of IS 13428-2005 (Reaff.2014)	Absent or Present/250ml
		Total Plate count at 22 °C	IS 5402-2012	≥ 1 cfu/ml
		Total Plate count at 37 °C	IS 5402-2012	≥ 1 cfu/ml
		Yeast&Moulds	IS 5403-1999 (Reaff.2013)	≥ 1 cfu/ml
				Absent or Present/250ml
		Salmonella	IS 15187-2016	Absent or Present/250ml
		Shigella	IS 5887 Part 7-1999(Reaff.2013)	Absent or Present/250ml
		Vibrio cholerae	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/250ml
		Vibrio parahaemolyticus	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/250ml
2.	Drinking Water/ Treated Water	Total coliforms	IS 1622 – 1981 (Reaff.2014)	≥ 2 - ≤ 1600 MPN /100ml
		Faecal coliforms	IS 1622 – 1981 (Reaff.2014)	≥ 2 - ≤ 1600 MPN /100ml
		E.coli	IS 1622 – 1981 (Reaff.2014)	≥ 2 - ≤ 1600 MPN /100ml

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 2 of 79

Validity 30.05.2018 to 29.05.2020

Last Amended on --

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		Faecal streptococci	IS 1622 – 1981 (Reaff.2014)	≥ 2 - ≤ 1600 MPN /100ml
		Standard plate count	IS 1622 – 1981 (Reaff.2014)	≥ 1 cfu/ml
3.	Water for Processed Food Industries	Total coliforms	IS 1622 – 1981 (Reaff.2014)	≥ 1 - ≤ 161 MPN /100ml
		Standard plate count	IS 1622 – 1981 (Reaff.2014)	≥ 1 cfu/ml
		Proteolytic organisms	IS 4251-1967(Reaff.2015)	≥ 1 cfu/ml
		Lipolytic organisms	IS 4251-1967(Reaff.2015)	≥ 1 cfu/ml
		Slime forming organisms	IS 1622 – 1981 (Reaff.2014)	Absent or Present
II.	FOOD & AGRICULTURAL PRODUCTS			
1.	Milk & Dairy Products	Total Plate count	IS 5402-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g
		Yeast&Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part 1-1976 (Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g ≥ 0.3 - ≤ 110MPN/g or ml
				Absent or Present/g or mL
		Coliforms	IS 5401 Part1-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			IS 5401 Part 2-2012	≥ 0.3 - ≤ 110MPN/g or ml
				Absent or Present/g or mL
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1-2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
	Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g	
	Salmonella	IS 5887 Part 3-1999 (Reaff.2013)	Absent or Present/25g or mL or ml	
	Shigella	IS 5887 Part7-1999(Reaff.2013)	Absent or Present/25g or mL	

Laboratory

Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

TC-5936

Page 3 of 79

Validity

30.05.2018 to 29.05.2020

Last Amended on --

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		Vibrio cholerae	IS 5887 Part 5-1976(Reaff.2013)	Absent or Present/25g or mL
		Vibrio parahaemolyticus	IS 5887 Part 5-1976(Reaff.2013)	Absent or Present/25g or mL
		Listeria monocytogenes	IS 14988 Part 1-2001(Reaff.2012)	Absent or Present/25g or mL
			IS 14988 Part 2-2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Anaerobic spore count	SMEDP 17 TH Edition Chapter 9, 2004	≥ 3 -≤ 1100 MPN/g or ml
2.	Egg & Egg Products	Total Plate count	IS 5402-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g
		Yeast&Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part1-1976 (Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g ≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Coliforms	IS 5401 Part 1- 2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			IS 5401 Part 2-2012	≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1-2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g
		Salmonella	IS 5887 Part 3-1999(Reaff.2013)	Absent or Present/25g or mL
		Shigella	IS 5887 Part7-1999(Reaff.2013)	Absent or Present/25g or mL
		Listeria monocytogenes	IS 14988 Part 1:2001-(Reaff.2012)	Absent or Present/25g or mL
			IS 14988 Part 2:2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 4 of 79

Validity 30.05.2018 to 29.05.2020

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
3.	Meat & Meat Products	Total Plate count	IS 5402:2012	≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 10 cfu/g
		Yeast & Moulds	IS 5403-1999(Reaff.2013)	≥ 10 cfu/g
		Escherichia coli	IS 5887 Part 1-1976 (Reaff.2013)	≥ 10 cfu/g
				≥ 0.3 -≤ 110MPN/g
				Absent or Present/g
		Coliforms	IS 5401 Part1-2012	≥ 10 cfu/g
			IS 5401 Part 2-2012	≥ 0.3 -≤ 110MPN/g
				Absent or Present/g
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1 -2002 (Reaff.2012)	≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6-2012	≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 10 cfu/g
		Salmonella	IS 5887 Part 3-1999(Reaff.2013)	Absent or Present/25g
		Shigella	IS 5887 Part 7-1999(Reaff.2013)	Absent or Present/25g
Vibrio cholerae	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g		
Vibrio parahaemolyticus	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g		
Listeria monocytogenes	IS 14988 Part 1-2001 (Reaff.2012)	Absent or Present/25g		
	IS 14988 Part 2-2002 (Reaff.2012)	≥ 10 cfu/g		
4.	Fish & Sea Foods	Total Plate count	IS 5402-2012	≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 10 cfu/g
		Yeast&Moulds	IS 5403-1999(Reaff.2013)	≥ 10 cfu/g
		Escherichia coli	IS 5887Part1-1976 (Reaff.2013)	≥ 10 cfu/g
				≥ 0.3 -≤ 110MPN/g
				Absent or Present/g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 5 of 79

Validity 30.05.2018 to 29.05.2020

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
		Coliforms	IS 5401 Par1-2012	≥ 10 cfu/g
			IS 5401 Part 2-2012	≥ 0.3 -≤ 110MPN/g
				Absent or Present/g
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1-2002 (Reaff.2012)	≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6-2012	≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 10 cfu/g
		Salmonella	IS 5887 Part 3-1999 (Reaff.2013)	Absent or Present/25g
		Shigella	IS 5887 Part 7-1999 (Reaff.2013)	Absent or Present/25g
		Vibrio cholerae	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g
		Vibrio parahaemolyticus	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g
		Listeria monocytogenes	IS 14988 Part 1- 2001 (Reaff.2012)	Absent or Present/25g
			IS 14988 Part 2- 2002 (Reaff.2012)	≥ 10 cfu/g
5.	Processed & Canned Foods	Total Plate count	IS 5402:2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g
		Yeast&Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part 1-1976 (Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
				≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Coliforms	IS 5401 Part 1- 2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			IS 5401 Part 2- 2012	≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1 -2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6 :2012	≥ 1 cfu/mL or ≥ 10 cfu/g

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 6 of 79

Validity 30.05.2018 to 29.05.2020

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
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g
		Salmonella	IS 5887 Part 3 -1999 (Reaff.2013)	Absent or Present/25g or mL
		Shigella	IS 5887 Part 7-1999 (Reaff.2013)	Absent or Present/25g or mL
		Vibrio cholerae	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g or mL
		Vibrio parahaemolyticus	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g or mL
		Listeria monocytogenes	IS 14988 Part 1-2001 (Reaff.2012)	Absent or Present/25g or mL
			IS 14988 Part 2-2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
6.	Jam, Juices, Sauces & Concentrates	Total Plate count	IS 5402-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g
		Yeast&Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part 1-1976 (Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g ≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Coliforms	IS 5401 Part1-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			IS 5401 Part 2-2012	≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1-2002(Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6 - 2012	≥ 1 cfu/mL or ≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g
		Salmonella	IS 5887 Part 3-1999(Reaff.2013)	Absent or Present/25g or mL
		Shigella	IS 5887 Part 7-1999(Reaff.2013)	Absent or Present/25g or mL

Laboratory

Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

TC-5936

Page 7 of 79

Validity

30.05.2018 to 29.05.2020

Last Amended on --

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		Vibrio cholerae	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g or mL
		Vibrio parahaemolyticus	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g or mL
		Listeria monocytogenes	IS 14988 Part 1:2001- (Reaff.2012)	Absent or Present/25g or mL
			IS 14988 Part 2:2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
7.	Spices & Condiments	Total Plate count	IS 5402-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g
		Yeast&Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part 1-1976 (Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g ≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Coliforms	IS 5401 Part 1- 2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			IS 5401 Part 2-2012	≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1-2002(Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g
		Salmonella	IS 5887 Part 3-1999(Reaff.2013)	Absent or Present/25g or mL
		Shigella	IS 5887 Part 7-1999(Reaff.2013)	Absent or Present/25g or mL
		Listeria monocytogenes	IS 14988 Part 1-2001 (Reaff.2012)	Absent or Present/25g or mL
			IS 14988 Part 2-2002(Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
8.	Bakery & Confectionary	Total Plate count	IS 5402-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 8 of 79

Validity 30.05.2018 to 29.05.2020

Last Amended on --

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		Yeast&Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part 1-1976 (Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g ≥ 0.3 -≤ 110MPN/g or ml Absent or Present/g or mL
		Coliforms	IS 5401 Part- 2012 IS 5401 Part 2- 2012	≥ 1 cfu/mL or ≥ 10 cfu/g ≥ 0.3 -≤ 110MPN/g or ml Absent or Present/g or mL
		Staphylococcus aureus (Coagulase Positive)	IS 5887Part 8/Sec 1 -2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6 -2012	≥ 1 cfu/mL or ≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g
		Salmonella	IS 5887 Part 3-1999 (Reaff.2013)	Absent or Present/25g or mL
		Shigella	IS 5887 Part 7-1999 (Reaff.2013)	Absent or Present/25g or mL
		Listeria monocytogenes	IS 14988 Part 1-2001 (Reaff.2012) IS 14988 Part 2-2002 (Reaff.2012)	Absent or Present/25g or mL ≥ 1 cfu/mL or ≥ 10 cfu/g
9.	Cereals, Pulses & Related Products	Total Plate count	IS 5402-2012 USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g ≥ 1 cfu/mL or ≥ 10 cfu/g
		Yeast &Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part 1-1976 (Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g ≥ 0.3 -≤ 110MPN/g or ml Absent or Present/g or mL
		Coliforms	IS 5401 Part 1-2012 IS 5401 Part 2-2012	≥ 1 cfu/mL or ≥ 10 cfu/g ≥ 0.3 -≤ 110MPN/g or ml Absent or Present/g or mL
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1-2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6 -2012	≥ 1 cfu/mL or ≥ 10 cfu/g

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 9 of 79

Validity 30.05.2018 to 29.05.2020

Last Amended on --

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		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g
		Salmonella	IS 5887 Part 3-1999(Reaff.2013)	Absent or Present/25g or mL
		Shigella	IS 5887 Part 7-1999(Reaff.2013)	Absent or Present/25g or mL
		Listeria monocytogenes	IS 14988 Part 1 -2001 (Reaff.2012)	Absent or Present/25g or mL
			IS 14988 Part -2-2002(Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
10.	Fruit and Fruit Products	Total Plate count	IS 5402-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g
		Yeast &Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part 1-1976 (Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
				≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Coliforms	IS 5401 Part1-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			IS 5401 Part 2-2012	≥ 0.3 - ≤ 110MPN/g or ml
				Absent or Present/g or mL
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1-2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g
		Salmonella	IS 5887 Part 3-1999 (Reaff.2013)	Absent or Present/25g or mL
		Shigella	IS 5887 Part7-1999(Reaff.2013)	Absent or Present/25g or mL
		Vibrio cholerae	IS 5887 Part 5-1976(Reaff.2013)	Absent or Present/25g or mL
		Vibrio parahaemolyticus	IS 5887 Part 5-1976(Reaff.2013)	Absent or Present/25g or mL

Laboratory

Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

TC-5936

Page 10 of 79

Validity

30.05.2018 to 29.05.2020

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
		Listeria monocytogenes	IS 14988 Part 1-2001(Reaff.2012)	Absent or Present/25g or mL
			IS 14988 Part 2-2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
11.	Vegetable and Vegetable Products	Total Plate count	IS 5402-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g
		Yeast&Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part1-1976 (Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g ≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Coliforms	IS 5401 Part 1- 2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			IS 5401 Part 2-2012	≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1-2002(Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
	Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g	
	Salmonella	IS 5887 Part 3-1999(Reaff.2013)	Absent or Present/25g or mL	
	Shigella	IS 5887 Part7-1999(Reaff.2013)	Absent or Present/25g or mL	
	Vibrio cholerae	IS 5887 Part 5-1976(Reaff.2013)	Absent or Present/25g or mL	
	Vibrio parahaemolyticus	IS 5887 Part 5-1976(Reaff.2013)	Absent or Present/25g or mL	
	Listeria monocytogenes	IS 14988 Part 1-2001(Reaff.2012)	Absent or Present/25g or mL	
		IS 14988 Part 2-2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g	
12.	Nuts and Nut Products	Total Plate count	IS 5402:2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 11 of 79

Validity 30.05.2018 to 29.05.2020

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
		Yeast & Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part 1-1976 (Reaff.2005)	≥ 1 cfu/mL or ≥ 10 cfu/g Absent or Present/g or mL
				≥ 0.3 -≤ 110MPN/g or ml
		Coliforms	IS 5401 Part1-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			IS 5401 Part 2- 2012	≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1 - 2002(Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g
		Salmonella	IS 5887 Part 3- 1999(Reaff.2013)	Absent or Present/25g or mL
		Shigella	IS 5887 Part 7- 1999(Reaff.2013)	Absent or Present/25g or mL
		Vibrio cholerae	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g or mL
		Vibrio parahaemolyticus	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g or mL
		Listeria monocytogenes	IS 14988 Part 1- 2001(Reaff.2012)	Absent or Present/25g or mL
			IS 14988 Part 2- 2002(Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
13.	Infant Foods	Total Plate count	IS 5402-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g
		Yeast & Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887Part1-1976 (Reaff.2005)	≥ 1 cfu/mL or ≥ 10 cfu/g Absent or Present/g or mL
				≥ 0.3 -≤ 110MPN/g or ml
		Coliforms	IS 5401 Par1-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			IS 5401 Part 2-2012	≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 12 of 79

Validity 30.05.2018 to 29.05.2020

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
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1-2002(Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g
		Salmonella	IS 5887 Part 3-1999 (Reaff.2013)	Absent or Present/25g or mL
		Shigella	IS 5887 Part 7-1999 (Reaff.2013)	Absent or Present/25g or mL
		Vibrio cholerae	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g or mL
		Vibrio parahaemolyticus	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g or mL
		Listeria monocytogenes	IS 14988 Part 1-2001 (Reaff.2012)	Absent or Present/25g or mL
			IS 14988 Part 2-2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
14.	Poultry and Poultry Products	Total Plate count	IS 5402:2012	≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 10 cfu/g
		Yeast&Moulds	IS 5403-1999(Reaff.2013)	≥ 10 cfu/g
		Escherichia coli	IS 5887 Part 1-1976 (Reaff.2013)	≥ 10 cfu/g
				≥ 0.3 -≤ 110MPN/
				Absent or Present/g
		Coliforms	IS 5401 Part 1- 2012	≥ 10 cfu/g
			IS 5401 Part 2- 2012	≥ 0.3 -≤ 110MPN/g
				Absent or Present/g
			Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1 -2002 (Reaff.2012)
		Bacillus cereus	IS 5887 Part 6 :2012	≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 10 cfu/g
		Salmonella	IS 5887 Part 3 -1999 (Reaff.2013)	Absent or Present/25g

Laboratory

Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

TC-5936

Page 13 of 79

Validity

30.05.2018 to 29.05.2020

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
		Shigella	IS 5887 Part 7-1999 (Reaff.2013)	Absent or Present/25g
		Vibrio cholerae	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g
		Vibrio parahaemolyticus	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g
		Listeria monocytogenes	IS 14988 Part 1-2001 (Reaff.2012)	Absent or Present/25g
			IS 14988 Part 2-2002(Reaff.2012)	≥ 10 cfu/g
15.	Honey and Honey Products	Total Plate count	IS 5402-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g
		Yeast & Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part 1-1976(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
				≥ 0.3 - ≤ 110MPN/g or ml
				Absent or Present/g or mL
		Coliforms	IS 5401 Part 1- 2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			IS 5401 Part 2-2012	≥ 0.3 - ≤ 110MPN/g or ml
				Absent or Present/g or mL
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1-2002(Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g
		Salmonella	IS 5887 Part 3-1999(Reaff.2013)	Absent or Present/25g or mL
		Shigella	IS 5887 Part 7-1999(Reaff.2013)	Absent or Present/25g or mL
		Listeria monocytogenes	IS 14988 Part 1-2001 (Reaff.2012)	Absent or Present/25g or mL
			IS 14988 Part 2-2002(Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 14 of 79

Validity 30.05.2018 to 29.05.2020

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
16.	Tea	Total Plate count	IS 5402-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g
		Yeast & Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part 1-1976 (Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
				≥ 0.3 - ≤ 110MPN/g or ml
				Absent or Present/g or mL
		Coliforms	IS 5401 Part- 2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			IS 5401 Part 2- 2012	≥ 0.3 - ≤ 110MPN/g or ml
				Absent or Present/g or mL
		Staphylococcus aureus (Coagulase Positive)	IS 5887Part 8/Sec 1 - 2002(Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6 -2012	≥ 1 cfu/mL or ≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g
		Salmonella	IS 5887 Part 3- 1999(Reaff.2013)	Absent or Present/25g or mL
		Shigella	IS 5887 Part 7-1999 (Reaff.2013)	Absent or Present/25g or mL
17.	Coffee and Cocoa Products	Total Plate count	IS 14988 Part 1-2001 (Reaff.2012)	Absent or Present/25g or mL
			IS 14988 Part 2- 2002(Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
			IS 5402-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g
		Yeast&Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part 1-1976 (Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
				≥ 0.3 - ≤ 110MPN/g or ml
				Absent or Present/g or mL
Coliforms	IS 5401 Part 1-2012	≥ 1 cfu/mL or ≥ 10 cfu/g		
	IS 5401 Part 2-2012	≥ 0.3 - ≤ 110MPN/g or ml		
		Absent or Present/g or mL		

Laboratory

Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

TC-5936

Page 15 of 79

Validity

30.05.2018 to 29.05.2020

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
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1-2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6 -2012	≥ 1 cfu/mL or ≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g
		Salmonella	IS 5887 Part 3-1999 (Reaff.2013)	Absent or Present/25g or mL
		Shigella	IS 5887 Part 7-1999 (Reaff.2013)	Absent or Present/25g or mL
		Listeria monocytogenes	IS 14988 Part 1 - 2001(Reaff.2012)	Absent or Present/25g or mL
			IS 14988 Part 2-2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
18.	Pet Foods	Total Plate count	IS 5402-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g
		Yeast&Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Escherichia coli	IS 5887 Part1-1976 (Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g
				≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Coliforms	IS 5401 Part 1- 2012	≥ 1 cfu/mL or ≥ 10 cfu/g
			IS 5401 Part 2-2012	≥ 0.3 -≤ 110MPN/g or ml
				Absent or Present/g or mL
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1 - 2002(Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g
		Bacillus cereus	IS 5887 Part 6-2012	≥ 1 cfu/mL or ≥ 10 cfu/g
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g
		Salmonella	IS 5887 Part 3 -1999 (Reaff.2013)	Absent or Present/25g or mL
		Shigella	IS 5887 Part 7-1999 (Reaff.2013)	Absent or Present/25g or mL
		Listeria monocytogenes	IS 14988 Part 2- 2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 16 of 79

Validity 30.05.2018 to 29.05.2020

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	
			IS 14988 Part 1-2001 (Reaff.2012)	Absent or Present/25g or mL	
		Vibrio cholerae	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g or mL	
		Vibrio parahaemolyticus	IS 5887 Part 5-1976 (Reaff.2013)	Absent or Present/25g or mL	
19.	Beverages (Non - Alcoholic)	Total Plate count	IS 5402-2012	≥ 1 cfu/mL or ≥ 10 cfu/g	
			USFDA-BAM 2001 Chapter 3	≥ 1 cfu/mL or ≥ 10 cfu/g	
		Yeast&Moulds	IS 5403-1999(Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g	
		Escherichia coli	IS 5887 Part 1-1976 (Reaff.2013)	≥ 1 cfu/mL or ≥ 10 cfu/g ≥ 0.3 -≤ 110MPN/g or ml	
				Absent or Present/g or mL	
		Coliforms	IS 5401 Part 1-2012	≥ 1 cfu/mL or ≥ 10 cfu/g	
			IS 5401 Part 2-2012	≥ 0.3 -≤ 110MPN/g or ml	
				Absent or Present/g or mL	
		Staphylococcus aureus (Coagulase Positive)	IS 5887 Part 8/Sec 1-2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g	
		Bacillus cereus	IS 5887 Part 6 -2012	≥ 1 cfu/mL or ≥ 10 cfu/g	
		Clostridium perfringens	USFDA-BAM 2001 Chapter 16	≥ 1 cfu/mL or ≥ 10 cfu/g	
			Salmonella	IS 5887 Part 3-1999 (Reaff.2013)	Absent or Present/25g or mL
			Shigella	IS 5887 Part 7-1999 (Reaff.2013)	Absent or Present/25g or mL
	Listeria monocytogenes	IS 14988 Part 1 -2001 (Reaff.2012)	Absent or Present/25g or mL		
		IS 14988 Part 2-2002 (Reaff.2012)	≥ 1 cfu/mL or ≥ 10 cfu/g		

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 17 of 79

Validity 30.05.2018 to 29.05.2020

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
III.	ENVIRONMENT & POLLUTION			
1.	Bio burden Estimation of Classified & Non Classified Area	Total bacterial count	APHA Compendium 5 TH Edition Chapter 3, 2015	≥ 10 cfu/cm ²
				≥ 10 cfu/Swab
		Total fungal count		≥ 10 cfu/cm ²
				≥ 10 cfu/Swab
		Coliforms		≥ 10 cfu/cm ²
				≥ 10 cfu/Swab
2.	Air Monitoring	Enterobacteriaceae		≥ 10 cfu/cm ²
				≥ 10 cfu/Swab
		Total bacterial count	APHA Compendium 5 TH Edition Chapter 3, 2015	≥ 1 cfu - ≤ 250 cfu/ plate
Total fungal count	≥ 1 cfu - ≤ 150 cfu/ plate			

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 18 of 79

Validity 30.05.2018 to 29.05.2020

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
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CHEMICAL TESTING

I.	WATER			
1.	(Surface Water/ Ground Water/ Drinking Water Packaged Drinking water / Water from purifiers/ Food Processing Water)	Colour (True colour units)	IS 3025 Part 4-1983 (Reaff.2012) / APHA 23rd Edn. 2017-2120 B	1to25 Hazen
		Odour	IS 3025 Part 5-1983 (Reaff.2012) / APHA 23rd Edn. 2017-2150 B	Agreeable / disagreeable
		Taste	IS 3025 Part 7 & 8-1984 (Reaff.2012) / APHA 23rd Edn. 2017-2160 C	Agreeable (Action Tendency Scale)
		Turbidity	IS: 3025 Part 10-1984 (Reaff .2012) / APHA 23rd Edn. 2017-2130 B	0.5 to 500NTU
		Total Dissolved Solids	IS 3025 Part 16-1984 (Reaff .2012) / APHA 23rd Edn. 2017-2540 C	5 to10,000 mg/L
		pH @25°C	IS: 3025 Part 11-1983 (Reaff .2012) / APHA 23rd Edn. 2017-4500 H+ -B	2 to 12
		Conductivity @ 25°C	IS: 3025 Part 14-1985 (Reaff .2013) / APHA 23rd Edn. 2017-2510-B	2 to 30,000 µS/cm
		Nitrate as NO ₃ / N	IS 3025 Part 34-1988(Reaff:2009)APHA 23rd Edn. 2017-4500 NO3 B	0.5 to 400mg/L
		Nitrite as NO ₂	IS 3025 Part 34-1988(Reaff:2009) / APHA 23rd Edn. 2017-4500 NO2 B	0.005 to10mg/L

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 19 of 79

Validity 30.05.2018 to 29.05.2020

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
		Fluoride as F	IS 3025 Part 60- 2008 / APHA 23rd Edn. 2017-4500 F- ,D	0.1 to 2.0 mg/L
		Chloride as Cl	IS 3025 Part 32- 1988(Reaff .2009) / APHA 23rd Edn. 2017-4500 Cl - B	1-500 mg/L
		Sulphate as SO ₄	IS 3025 Part 24- 1986(Reaff.2009) / APHA 23rd Edn. 2017-4500 SO4 B	1 -2000mg/L
		Alkalinity as HCO ₃	IS 3025 Part 23-1986 (Reaff.2009) / APHA 23rd Edn. 2017-2320 B	1 -500mg/L
		Calcium as Ca	IS 3025 Part 40-1991 (Reaff .2014) / APHA 23rd Edn. 2017-3500 Ca –B	1-500mg/L
		Magnesium as Mg	IS: 3025 Part 46-1994 (Reaff .2009) / APHA 23rd Edn. 2017-3500 Mg –B	1-500mg/L
		Residual free chlorine	IS 3025 Part 26-1986 (Reaff .2009) / APHA 23rd Edn. 2017-4500 Cl-B	0.02-50mg/L
		Phenolic compounds as C ₆ H ₅ OH	IS 3025 Part 43- 1992 (Reaff .2009) / APHA 23rd Edn. 2017-5530-,D	0.01-5.0 mg/L
		Sulphide as H ₂ S	IS 3025 Part 29-1986 (Reaff .2009) / APHA 23rd Edn. 2017-4500 S-F	0.1-10mg/L
		Sodium as Na	IS 3025 Part 45-2003(Reaff .2012) / APHA 23rd Edn. 2017-3111B	1 – 1000 mg/L
		Potassium as K	IS 3025 Part 45-2003(Reaff .2012) / APHA 23rd Edn. 2017-3111B	1 – 250 mg/L

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 20 of 79

Validity 30.05.2018 to 29.05.2020

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
		Total solids	IS: 3025 Part 15-1984 (Reaff .2014)	1-10,000 mg/L
		Total Hardness as/ CaCO ₃ / (Carbonate and Non Carbonate Hardness as CaCO ₃)	IS 3025 Part 21-2009(Reaff .2014) / APHA 23rd Edn. 2017-2340 C	1 to 5000 mg/L
		Ammoniacal Nitrogen (as total ammonia N)	IS 3025 Part 34-1988 (Reaff .2009) / APHA 23rd Edn. 2017-4500 NH3- B,C	0.1-10 mg/L
		Chloramine as Cl ₂	IS 3025 Part 26-1986 (Reaff .2014) / APHA 23rd Edn. 2017-4500Cl.G	0.1-10 mg/L
		Total Suspended Solids	IS 3025 Part 17-1984(Reaff .2012) / APHA 23rd Edn. 2017-2540 D	5-200 mg/L
		Silica as SiO ₂	IS 3025 Part 35-1988(Reaff .2014) / APHA 23rd Edn. 2017-4500 SiO ₂ B	0.1-50 mg/L
		Phosphorous as P	IS 3025 Part 31-1988(Reaff .2014) / APHA 23rd Edn. 2017-4500 P D	0.05-10 mg/L
		Mineral Oil	IS 3025 Part 39-1991(Reaff .2003) / APHA 23rd Edn. 2017-5520 C	0.01-10 mg/L
II.	FOOD & AGRICULTURAL PRODUCTS			
1.	Oils and Fats			
		Moisture	FSSAI Lab Manual, Oil & Fats, 2016, 3.1 pp 5-6	0.1-5 g/100g
		Insoluble impurities (Suspended /Other foreign matter)	IS 548 Part1-1964 (Reaff : 2010)	0.05-2.5g/100g
		Acid Value	IS 548 Part1-1964 (Reaff : 2010)	0.2-15

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 21 of 79

Validity 30.05.2018 to 29.05.2020

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
		Saponification Value	IS 548 Part1-1964 (Reaff : 2010)	50-300
		Unsaponifiable Matter	IS 548 Part1-1964 (Reaff : 2010)	0.2-2.5 g/100g
		Iodine value	IS 548 Part1-1964 (Reaff : 2010)	5 - 170
		Refractive Index	IS 548 Part1-1964 (RA 2010); FSSAI Lab Manual, Oil & Fats, 2016, 5.0 pp 8-12	1.3330 -1.5700
		Test for Sesame oil	IS 548 Part1-1964 (Reaff : 2010)	Present / Absent
		Specific Gravity	FSSAI Lab Manual, Oil & Fats, 2016, 4.0 pp 6-7	0.8-2.000
		Reichert Meissel Value	IS 548 Part1-1964 (Reaff : 2010)/FSSAI Lab Manual, Oil & Fats, 2016, 13.0 pp 30-35	2-40
		Free fatty acid	IS 548 Part1-1964 (Reaff : 2010)	0.1-10g/100g
		Peroxide value	IS 548 Part1-1964 (Reaff : 2010)	0.5-7.5 meq / kg
		Butyro-refractometer reading	FSSAI Lab Manual, Oil & Fats, 2016, 5.0 pp 8-12	10-90
		Polenske value	IS 548 Part1-1964 (Reaff : 2010)	5-25
		Phosphorus as P	FSSAI Lab Manual, Oil & Fats, 2016, 34.0 pp79-82	0.001–1.0 g/100g
		Bellier test (Turibity Temperature) Acetic acid method	IS 548 (Part-2) 1976 (Reaff : 2012) / FSSAI Lab Manual, Oil & Fats, 2016, 14.0 pp35-37	Present / Absent
		Test for Sesame Oil (Baudouin Test)	IS 548 (Part-2) 1976 (Reaff : 2012) / FSSAI Lab Manual, Oil & Fats, 2016, 15.0 pp38-39	Present / Absent

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 22 of 79

Validity 30.05.2018 to 29.05.2020

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
		Cloud Point (palm Oil)	IS 548 (Part-2) 1976 (Reaff : 2012) / FSSAI Lab Manual, Oil & Fats, 2016, 17.0 pp40-41	Present / Absent
		Test for presence of Rice bran Oil	IS 548 (Part-2) 1976 (Reaff : 2012) / FSSAI Lab Manual, Oil & Fats, 2016, 18.0 pp 42-43	Present / Absent
		Test For Linseed Oil	IS 548 (Part-2) 1976 (Reaff : 2012) / FSSAI Lab Manual, Oil & Fats, 2016, 19.0 pp 44-45	Present / Absent
		Test for Mustard Oil	IS 548 (Part-2) 1976 (Reaff : 2012) / FSSAI Lab Manual, Oil & Fats, 2016, 19.0 pp 44-45	Present / Absent
		Test for mineral Oil (Holdes Test)	IS 548 (Part-2) 1976 (Reaff : 2012) / FSSAI Lab Manual, Oil & Fats, 2016, 20.0 pp 45-46	Present / Absent
		Test for semi-Siccative oil	IS 548 (Part-2) 1976 (Reaff : 2012) / FSSAI Lab Manual, Oil & Fats, 2016, 26.0 pp 58-59	Present / Absent
		Test for Castrol Oil	IS 548 (Part-2) 1976 (Reaff : 2012) / FSSAI Lab Manual, Oil & Fats, 2016, 29.0 pp 68-69	Present / Absent
		Test For Argemone Oil	IS 548 (Part-2) 1976 (Reaff : 2012) / FSSAI Lab Manual, Oil & Fats, 2016, 30.0 pp 70-72	Present / Absent
2.	Cereals & Pulses	Moisture	IS 1155-1968 (Reaff : 2015)	1-25g/100g
			FSSAI Lab Manual, Cereals & Cereal Products, 2016,	0.1-30 g/100g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 23 of 79

Validity 30.05.2018 to 29.05.2020

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
			2.0 p 8	
		Total ash	IS 1155-1968 (Reaff : 2015)	0.1-10g/100g
			FSSAI Lab Manual, Cereals & Cereal Products, 2016, 8.2 p 14-15 / IS 15271 : 2003 (RA-2009)	0.05-20.0g/100g
		Acid insoluble ash	IS 1155-1968 (Reaff : 2015)	0.05-5g/100g
		Crude fiber	In -house validated method SFTS/FCL/SOP/001 Issue No: 01 Issue Date: 03.01.2015 / IS 10226 (Part 1):1982 RA 2010 Clause 9	0.5-40 g/100g
		Protein	In -house validated method SFTS/FCL/SOP/002 Issue No: 01 dated 03.01.2015 (By Kjeldahl Method)	0.2-78g/100g
		Fat	In -house validated method SFTS/FCL/SOP/003 Issue No: 01 Issue Date: 03.01.2015	0.1-25g/100g
		Gluten	IS 1155-1968 (Reaff : 2015)	1-30g/100g
		Alcoholic acidity	IS 1155-1968 (Reaff : 2015)	0.05-10g/100g
		Damaged Grains	FSSAI Lab Manual, Cereals & Cereal Products, 2016, 1.0 pp 1-7	0.1 – 15 g/100g
		Weevilled Grains	FSSAI Lab Manual, Cereals & Cereal Products, 2016, 1.0 pp 1-7	0.1 – 15 g/100g
		Other edible grains	FSSAI Lab Manual, Cereals & Cereal Products, 2016, 1.0 pp 1-7	0.1 – 15 g/100g
		Presence of Mould	FSSAI Lab Manual, Cereals & Cereal Products, 2016, 1.0 pp 1-7	Present / Absent

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 24 of 79

Validity 30.05.2018 to 29.05.2020

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
		Insect	FSSAI Lab Manual, Cereals & Cereal Products, 2016, 1.0 pp 1-7	Present / Absent
		Foreign Matter (Mineral Matter & Organic Matter)	FSSAI Lab Manual, Cereals & Cereal Products, 2016, 1.0 pp 1-7	0.1-15 g/100g
		Rodent Hair & Excreta	FSSAI Lab Manual, Cereals & Cereal Products, 2016, 1.0 pp 1-7	Present / Absent
		Carbohydrates	In -house validated method SFTS/FCL/SOP/030 Issue No: 01 dated 01.03.2017	1-80 g/100g
		Energy	In -house validated method SFTS/FCL/SOP/030 Issue No: 01 dated 01.03.2017	20-1000 kcal/100g
3.	Sugar & Sugar Products	Moisture	FSSAI Lab Manual 4,2015, 1.2 pp4-5	0.01-10 g/100g
		Total ash	AOAC 20th Edn :2016 (44.1.05), 900.02, p 3	0.01-10 g/100g
		Invertsugar	FSSAI Lab Manual 4,2015, 6.4.1 pp33-34	20-105 g/100g
		Reducing Sugar	FSSAI Lab Manual 4,2015, 6.4.2 pp34-35	0.2-100 g/100g
		Acid insoluble ash	FSSAI Lab Manual 4,2015, 1.5 pp8-9	0.01-5 g/100g
		Sulphated ash	FSSAI Lab Manual 4,2015, 10.0 pp53-54	0.01-5.0 g/100g
		Extraneous matter	FSSAI Lab Manual 4,2015, 9.2 p 53	0.1-10 g/100g
		Sucrose	FSSAI Lab Manual 4,2015, 6.4.4 p 35	2-100 g/100g
4.	Nuts & Nut Products			
a.	Ground nut Kernel, Pistachio,	Moisture	IS 4684-1975 (Reaff : 2010)	1-25 g/100g
		Total Ash	IS 4684-1975 (Reaff : 2010)	0.1-15 g/100g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 25 of 79

Validity 30.05.2018 to 29.05.2020

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
	Almond, Cashew Kernel. Walnut, Dry Fruits and Dates	Total Fat	IS 4684-1975 (Reaff : 2010)	1-65 g/100g
		Acid insoluble ash	IS 4684-1975 (Reaff : 2010)	0.01-2.5 g/100g
		Acidity of Extracted Fat as Oleic acid	IS 4684-1975 (Reaff : 2010)	0.2-25 g/100g
		Protein	In -house validated method SFTS/FCL/SOP/002 Issue No: 01 dated 03.01.2015 (By Kjeldahl Method)	0.2-75 g/100g
		Crude fibre	In -house validated method SFTS/FCL/SOP/001 Issue No: 01 Issue Date: 03.01.2015 / IS 10226 (Part 1):1982 RA 2010 Clause 9	1-85 g/100g
		Damaged Kernel	IS 4333-Part 1 :1996	0-10 g/100g
		Unopened Shells	IS 4333-Part 1 :1996	0-10 g/100g
		Empty Shells	IS 4333-Part 1 :1996	0-10 g/100g
		Blemished/Damaged/ Discolored units	IS 4333-Part 1 :1996	0-10 g/100g
		Extraneous vegetable matter	IS 4333-Part 1 :1996	0-3 g/100g
		Carbohydrates	In -house validated method SFTS/FCL/SOP/030 Issue No: 01 dated 01.03.2017	1-80 g/100g
		Energy	In -house validated method SFTS/FCL/SOP/030 Issue No: 01 dated 01.03.2017	20-1000 kcal/100g
5.	Salt Common and Iodized	Moisture	IS 7224: 2006 (Reaff 2010)	0.1-25 g/100g
		Sodium Chloride Content (Assay) as NaCl	IS 7224: 2006 (Reaff 2010)	75-100 g/100g
		Water insoluble matter	IS 7224: 2006 (Reaff 2010)	0.1-10 g/100g
		Soluble matter in water other than sodium chloride	IS 7224: 2006 (Reaff 2010)	0.5-10 g/100g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 26 of 79

Validity 30.05.2018 to 29.05.2020

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
		Alkalinity as Na ₂ CO ₃	IS 7224: 2006 (Reaff 2010)	0.05 -35 g/100g
		Iodine	IS 7224: 2006 (Reaff 2010)	10-100 mg/kg
6.	Honey	Moisture	IS 4941:1994(Reaff 2014)	0.1-30 g/100g
		Total ash	IS 4941:1994(Reaff 2014)	0.1-10 g/100g
		Acidity as formic acid	IS 4941:1994(Reaff 2014)	0.1- 5 g/100g
		Total Reducing sugar	IS 4941:1994 (Reaff 2014)	2-95 g/100g
		Total sugar	IS 4941:1994(Reaff2014)	2-95 g/100g
		Sucrose	IS 4941:1994(Reaff 2014)	2-80 g/100g
		Fructose	FSSAI Lab Manual 4,2015, 6.5 pp 36-37	2-80 g/100g
		Fructose Glucose ratio	FSSAI Lab Manual 4,2015, 6.5 pp 36-37	0.7-1.5
		Sp. gravity	IS 4941:1994(Reaff 2014)	0.8-2.0
		Fiehe's test	IS 4941:1994(Reaff 2014)	Present /Absent
		Glucose	FSSAI Lab Manual 4,2015, 6.5 pp 36-37	0.5 - 99 g/100g
		Hydroxy methyl furfural (HMF)	AOAC 20th Edn 2016 (44 .4.15), 980.23, p32	1-100 mg/100g
7.	Spices and Condiments and Related Products	Total ash	FSSAI Lab Manual, Spices and Condiments , 2016, 4.0 p 12-13	0.5-10 g/100g
		Moisture	FSSAI Lab Manual, Spices and Condiments , 2016, 3.0 p 2-5	1-20 g/100g
		Test for presence of Mould /Living & dead insects /Insects fragments /Rodent contamination	In -house validated method SFTS/FCL/SOP/010 Issue No: 01 Issue Date: 03.01.2015	Present / Absent
		Volatile oils	FSSAI Lab Manual, Spices and Condiments , 2016, 10.0 pp 19-22	0.2-30 mL/100g
		Sodium chloride	IS 1797 1985 (Reaff.2009)	0.5-10 g/100g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 27 of 79

Validity 30.05.2018 to 29.05.2020

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
		Alcoholic Extract	FSSAI Lab Manual, Spices and Condiments , 2016, 7.0 pp 15-17	0.01 - 20 g /100g
		Cold Water solution Extract	FSSAI Lab Manual, Spices and Condiments , 2016, 6.0 p 15	0.01 - 20 g /100g
		Acid Insoluble Ash	FSSAI Lab Manual, Spices and Condiments , 2016, 5.0 p 14	0.1-5 g/100g
		Non-Volatile Ether Extract	FSSAI Lab Manual, Spices and Condiments , 2016, 9.0 pp 18-19	1-50 g/100g
		Crude fiber	In -house validated method SFTS/FCL/SOP/001 Issue No: 01 Issue Date: 03.01.2015 / IS 10226 (Part 1):1982 RA 2010 Clause 9	1-25 g/100g
		Starch	FSSAI Lab Manual, Spices and Condiments , 2016, 16.5 pp 35-36	10 - 100 g/100g
		Protein	In -house validated method SFTS/FCL/SOP/002 Issue No: 01 dated 03.01.2015 (By Kjeldahl Method)	0.1-15 g/100g
		Extraneous matter	FSSAI Lab Manual, Spices and Condiments , 2016, 2.0 p 2	0.1-10 g/100g
		Empty & Malformed capsules/ Immature & shriveled capsules/ Insect damaged matter	FSSAI Lab Manual, Spices and Condiments , 2016, 2.0 p 2	0.1-10 g/100g
		Capsaicin	In -house validated method SFTS/INS/SOP/001 Issue No: 01 Issue Date:03.01.2015	1000 -100000 SHU

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 28 of 79

Validity 30.05.2018 to 29.05.2020

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
		Piperine	In -house validated method SFTS/INS/SOP/022 Issue No: 01 Issue Date:03.01.2015	0.1 - 15 g/100g
		Carbohydrates	In -house validated method SFTS/FCL/SOP/030 Issue No: 01 dated 01.03.2017	1-80 g/100g
		Energy	In -house validated method SFTS/FCL/SOP/030 Issue No: 01 dated 01.03.2017	20-1000 kcal/100g
		Bulk Density	FSSAI Lab Manual, Spices and Condiments , 2016, 14.1 p 26	0.5-2.5 g/mL
		Light Berries	FSSAI Lab Manual, Spices and Condiments , 2016, 14.2 p 27	0-20 g/100g
		Test for Lead Chromate	FSSAI Lab Manual, Spices and Condiments , 2016, 16.6 p 36	Present / Absent
		Colour value	ISO 7541:1989 E	0.1 - 100
		ASTA Colour Value	ISO 7541:1989 E	10 - 20000
		Curcumin	FSSAI Lab Manual, Spices and Condiments , 2016, 16.4 pp 34-35	0.1-10 g/100g
8.	Plantation Products (Tea & Coffee)	Moisture	FSSAI Lab Manual 4,2015, 5.2 p 24	0.1-15 g/100g
		Crude fiber	In -house validated method SFTS/FCL/SOP/001 Issue No: 01 Issue Date: 03.01.2015 / IS 10226 (Part 1):1982 RA 2010 Clause 9	1-25 g/100g
		Total ash	FSSAI Lab Manual 4,2015, 5.3 p 24	1-10 g/100g
		Acid Insoluble Ash	FSSAI Lab Manual 4,2015, 5.5 p 24	0.05-2.5 g/100g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 29 of 79

Validity 30.05.2018 to 29.05.2020

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
		Water extract/Aqueous extract	FSSAI Lab Manual 4,2015, 5.6 p 24	0.2-40 g/100g
		Alkalinity of soluble ash	FSSAI Lab Manual 4,2015, 5.7 p 25	0.5-7.5 mL of 0.1N HCl/g
		Water soluble ash	FSSAI Lab Manual 4,2015, 5.4 p 24	4-70 g/100g
		Water insoluble ash	FSSAI Lab Manual 4,2015, 5.4 p 24	1-20 g/100g
		Caffeine	In -house validated method SFTS/INS/SOP/015 Issue No: 01 Issue Date:03.01.2015	1 -8 g/100g
		Iron Fillings	FSSAI Lab Manual 4,2015, 5.9 p 27	1-500 mg/kg
9.	Fruits & Vegetables and Its Products	Total Soluble Solids	FSSAI Lab Manual, Fruit and Vegetable Products,2016, 1.6 pp 4-8	2-95 g/100g
		pH	FSSAI Lab Manual, Fruit and Vegetable Products,2016, 2.3 pp11-12	1-14
		Acidity as acetic acid	FSSAI Lab Manual, Fruit and Vegetable Products,2016, 2.4 pp12-13	0.05-12.5g/100g
		Moisture	FSSAI Lab Manual, Fruit and Vegetable Products,2016, 4.1pp34-35	0.1-90 g/100g
		Ash	FSSAI Lab Manual, Fruit and Vegetable Products,2016,11.3pp41-42	0.1-12.5 g/100g
		Acid insoluble ash	FSSAI Lab Manual, Fruit and Vegetable Products,2016,5.3pp35-36	0.05-6 g/100g
		Starch	FSSAI Lab Manual, Fruit and Vegetable Products,2016,7.3 p39	1-75 g/100g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 30 of 79

Validity 30.05.2018 to 29.05.2020

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
		Total sugars	FSSAI Lab Manual, Fruit and Vegetable Products,2016,2.6 pp15-18	1-85 g/100g
		Rotting	In -house validated method SFTS/FCL/SOP/010	Present /Absent
		Rodent Contamination	Issue No: 01 Issue Date: 03.01.2015	Present /Absent
		Mould		Present /Absent
		Carbohydrates	In -house validated method SFTS/FCL/SOP/030 Issue No: 01 dated 01.03.2017	1-80 g/100g
		Energy	In -house validated method SFTS/FCL/SOP/030 Issue No: 01 dated 01.03.2017	20-1000 kcal/100g
		Fruit Content	FSSAI Lab Manual, Fruit and Vegetable Products,2016,6.3 pp37-38	2-20 g/100 mL or g
		Total Solids	FSSAI Lab Manual, Fruit and Vegetable Products,2016,2.1 pp 10-11	2-50 g/100g
		Salt as NaCl	FSSAI Lab Manual, Fruit and Vegetable Products,2016,1.7 pp 9-10	0.1-20 g/100g
10.	Pickle	pH	FSSAI Lab Manual, Fruit and Vegetable Products,2016, 2.3 pp11-12	1-14
		Salt	FSSAI Lab Manual, Fruit and Vegetable Products,2016, 18.2 p55	0.1-50 g/100g
		Acidity	FSSAI Lab Manual, Fruit and Vegetable Products,2016, 18.3 p55	0.1-50 g/100g
11.	Milk & Milk Products			
a.	Milk	Milk fat	FSSAI Lab Manual, Milk and Milk Products,2016, 1.3.4.2 pp 41-43	1-30 g/100g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 31 of 79

Validity 30.05.2018 to 29.05.2020

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
		Titration Acidity	IS 11766:1986 (Reaff :2003)	0.1 - 12 g/100g
		Milk Protein	In -house validated method SFTS/FCL/SOP/002 Issue No: 01 dated 03.01.2015 (By Kjeldahl Method)	10- 25 g/100g
		pH	IS 4238-1967 (Reaff :2010)	1-14
		Solid Not Fat	AOAC 20th Edn 2016 (33.2.45), 990.21, pp 39-40 /FSSAI Lab Manual, Milk and Milk Products,2016, 15.2 p138	5- 50 g/100g
		Total Solids	FSSAI Lab Manual, Milk and Milk Products,2016, 1.3.3 pp 36-37	5- 50 g/100g
		Sodium Chloride content as NaCl	FSSAI Lab Manual, Milk and Milk Products,2016, 1.2.8 pp 18-19	0.1-15 g/100g
		Sugar (Sucrose)	FSSAI Lab Manual, Milk and Milk Products,2016, 1.2.1.2 p 10	1-65 g/100g
		Test for Cane sugar	FSSAI Lab Manual, Milk and Milk Products,2016, 1.2.1.1pp 9-10	Present /Absent
		Test for Starch	FSSAI Lab Manual, Milk and Milk Products,2016, 1.2.2.1 p 11	Present /Absent
		Test for urea	FSSAI Lab Manual, Milk and Milk Products,2016, 1.2.4.1 p 13	Present /Absent
		Test for Neutralizers (NaOH, Na ₂ CO ₃ ,NaHCO ₃)	FSSAI Lab Manual, Milk and Milk Products,2016, 1.2.11.1 p 22	Present /Absent
		Test for mastities	FAO(Food & Nutrition P1418, 1986	Present /Absent

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 32 of 79

Validity 30.05.2018 to 29.05.2020

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
		Test for Detergents	FSSAI Lab Manual, Milk and Milk Products,2016, 1.2.14 pp26-27	Present /Absent
		Test for Glucose	FSSAI Lab Manual, Milk and Milk Products,2016, 1.2.7 p17	Present /Absent
		Test for Sodium Chloride	FSSAI Lab Manual, Milk and Milk Products,2016, 1.2.8 pp 18-19	Present /Absent
		Test for Acidity & Heat	IS 1479 (P-1):1960	Present /Absent
		Test for Formaldehyde	FSSAI Lab Manual, Milk and Milk Products,2016, 1.2.17 pp28-29	Present /Absent
		Test for Hydrogen Peroxide	FSSAI Lab Manual, Milk and Milk Products,2016, 1.2.18 pp 29-30	Present /Absent
		Sodium as Na	In -house validated method/SFTS/INS/SOP/02 4 Issue No: 01 Issue Date:03.01.2015	20-5000 mg/kg
		Calcium as Ca	In -house validated method/SFTS/INS/SOP/02 4 Issue No: 01 Issue Date:03.01.2015	5-5000 mg/kg
b.	Condensed Milk Products	Moisture	FSSAI Lab Manual, Milk and Milk Products,2016, 10.2 pp 86-87	0.5-75 g/100g
		Milk fat	FSSAI Lab Manual, Milk and Milk Products,2016, 10.3 p 88	1-30 g/100g
		Total ash	IS 1165-2002 (Reaff.2009)	1.5 - 7.5 g/100g
		Titration Acidity	IS 11766:1986 (Reaff :2003)	0.1 - 12 g/100g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 33 of 79

Validity 30.05.2018 to 29.05.2020

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
		Acid Insoluble Ash in dilute HCL	IS 1165:2002 (Reaff :2009)	0.05 -10 g/100g
		Milk Protein	In -house validated method SFTS/FCL/SOP/002 Issue No: 01 dated 03.01.2015 (By Kjeldahl Method)	10- 25 g/100g
		pH	IS 4238-1967 (Reaff :2010)	1-14
		Solid Not Fat	AOAC 20th Edn 2016 (33.2.45), 990.21, pp 39-40	5- 50 g/100g
		Carbohydrates	In -house validated method SFTS/FCL/SOP/030 Issue No: 01 dated 01.03.2017	1-80 g/100g
		Energy	In -house validated method SFTS/FCL/SOP/030 Issue No: 01 dated 01.03.2017	20-1000 kcal/100g
c.	Butter	Moisture	FSSAI Lab Manual, Milk and Milk Products,2016, 12.2 pp 101-102	0.5-75 g/100g
		Fat	FSSAI Lab Manual, Milk and Milk Products,2016, 12.3 pp 102-104	1-95 g/100g
		Salt as NaCl	FSSAI Lab Manual, Milk and Milk Products,2016, 12.4 pp 106-108	0.1-15 g/100g
d.	Cheese	Moisture	FSSAI Lab Manual, Milk and Milk Products,2016, 6.2 p59	0.5-75 g/100g
		Milk Fat on dry basis	FSSAI Lab Manual, Milk and Milk Products,2016, 6.3 p59	1-95 g/100g
e.	Malai	Moisture	FSSAI Lab Manual, Milk and Milk Products,2016, 12.2 pp 101-102	0.5-75 g/100g
		Milk Fat	FSSAI Lab Manual, Milk and Milk Products,2016,	1-40 g/100g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 34 of 79

Validity 30.05.2018 to 29.05.2020

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
			2.2.1 pp 45-46	
f.	Paneer / Chhana	Moisture	FSSAI Lab Manual, Milk and Milk Products,2016, 5.2 pp 56-58	0.5-75 g/100g
		Milk Fat	FSSAI Lab Manual, Milk and Milk Products,2016, 5.3 p 58	1-40 g/100g
g.	Curd/Dahi/ Yoghurt	Milk fat	FSSAI Lab Manual, Milk and Milk Products,2016, 15.3 p 138	1-30 g/100g
		Milk Protein	In -house validated method SFTS/FCL/SOP/002 Issue No: 01 dated 03.01.2015 (By Kjeldahl Method)	10- 25 g/100g
		Solid Not Fat	AOAC 20th Edn 2016 (33.2.45), 990.21, pp39-40 / FSSAI Lab Manual, Milk and Milk Products,2016, 15.3 p 138	5- 50 g/100g
h.	Ice Cream/Frozen Dessert & Confection/ Milk Ice/ Milk Lolly	Total Solids	FSSAI Lab Manual, Milk and Milk Products,2016, 7.2 p 61	5- 50 g/100g
		Milk fat	FSSAI Lab Manual, Milk and Milk Products,2016, 7.4 p 63	1-30 g/100g
		Milk Protein	In -house validated method SFTS/FCL/SOP/002 Issue No: 01 dated 03.01.2015 (By Kjeldahl Method)	10- 25 g/100g
12.	Meat and Meat Products & Fish & Fish Products	Moisture	FSSAI Lab Manual, Meat and meat products & Fish and Fish products ,2016, 2.2 p 59	0.5-90 g/100g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 35 of 79

Validity 30.05.2018 to 29.05.2020

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
		Total Ash	FSSAI Lab Manual, Meat and meat products & Fish and Fish products ,2016, 2.4 pp 61-62	0.5-15 g/100g
		Fat	In -house validated method / SFTS/FCL/SOP/003 Issue No: 01 Issue Date:03.01.2015	0.5-75 g/100g
		Acid Insoluble Ash in dilute HCL	FSSAI Lab Manual, Meat and meat products & Fish and Fish products ,2016, 2.4 pp 61-62	0.1-5 g/100g
		Protein	In -house validated method SFTS/FCL/SOP/002 Issue No: 01 dated 03.01.2015 (By Kjeldahl Method)	1-98 g/100g
		Fiber	In -house validated method SFTS/FCL/SOP/001 Issue No: 01 Issue Date: 03.01.2015 / IS 10226 (Part 1):1982 RA 2010 Clause 9	0.1-5 g/100g
		Salt	FSSAI Lab Manual, Meat and meat products & Fish and Fish products ,2016, 2.3 p 60	0.1-50 g/100g
13.	Bakery & Confectionery Products	Moisture @130°C	IS 1011:2002(Reaff : 2013)	0.1-30 g/100g
			1S 15271 : 2003 (RA-2009)	0.1-30.0 g/100g
		Total Ash	IS 1011:2002(Reaff : 2013)	0.05-20.0 g/100g
			1S 15271 : 2003 (RA-2009)	0.05-30.0 g/100g
		FFA (extracted fat as oleic acid)	In -house validated method SFTS/FCL/SOP/009 Issue No: 01 Issue Date:03.01.2015	0.1-10.0 g/100g
		Acid in Soluble Ash	IS 1011:2002(Reaff : 2013)	0.01-5.0 g/100g
			1S 15271 : 2003 (RA-2009)	0.01-10.0 g/100g

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 36 of 79

Validity 30.05.2018 to 29.05.2020

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
		Fat	In -house validated method SFTS/FCL/SOP/003 Issue No: 01 dated 03.01.2015	0.1-30.0g/100g
		Crude fiber	In -house validated method SFTS/FCL/SOP/001 Issue No: 01 Issue Date: 03.01.2015 / IS 10226 (Part 1):1982 RA 2010 Clause 9	0.1-30g/100g
		Protein	In -house validated method SFTS/FCL/SOP/002 Issue No: 01 dated 03.01.2015 (By Kjeldahl Method)	0.1-30g/100g
		Peroxide value of extracted fat	In -house validated method SFTS/FCL/SOP/005 Issue No: 01 Issue Date: 03.01.2015	0.1-10.0 meq/kg
		Carbohydrates	In -house validated method SFTS/FCL/SOP/030 Issue No: 01 dated 01.03.2017	1-80 g/100g
		Energy	In -house validated method SFTS/FCL/SOP/030 Issue No: 01 dated 01.03.2017	20-1000 kcal/100g
14.	Food Products Including Dairy, Complimentary Foods, Fruit Base Products Agri Foods, Sugar, Nuts and Nut Products, Pickles, Cereals and Cereal Products, Tea, Caffeine, Beverages, Carbonated Water	Food Additives & Preservatives		
		Benzoic acid / Benzoate as Benzoic acid	In -house validated method SFTS/INS/SOP/008 Issue No: 01 Issue Date:03.01.2015	5.0 – 2000 mg/kg
		Butylated Hydroxy Anisole BHA- (Antioxidant)	In -house validated method SFTS/INS/SOP/020 Issue No: 01 Issue Date:03.01.2015	0.5 – 200 mg/kg
		Butylated Hydroxy Toluene BHT- (Antioxidant)	In -house validated method SFTS/INS/SOP/020 Issue No: 01 Issue Date:03.01.2015	2 – 200 mg/kg

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 37 of 79

Validity 30.05.2018 to 29.05.2020

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
		Tertiary Butyl hydroquinone (TBHQ)-Antioxidant	In -house validated method SFTS/INS/SOP/020 Issue No: 01 Issue Date:03.01.2015	10 – 200 mg/kg
		Saccharin	In -house validated method SFTS/INS/SOP/016 Issue No: 01 Issue Date:03.01.2015	2-2000 mg/kg
		Sulphur Dioxide	FSSAI Lab Manual, Food Additives 2016, 2.5.1 pp 26-27	Present/Absent
		Sulphur Dioxide	FSSAI Lab Manual, Food Additives 2016, 2.5.2 pp 27-31 / In -house validated method SFTS/FCL/SOP/014 Issue No: 01 Issue Date: 01.09.2016	5-500 mg/kg
III.	RESIDUES IN WATER			
1.	Drinking Water/ Packaged Drinking Water	Trace Metal Elements		
		Iron as Fe	IS 3025 Part 53-2003 (Reaff.2009) / APHA 23rd Edn. 2017-3111 B (AAS)	0.05-5mg/L
		Manganese as Mn	IS 3025 Part 59-2006 (Reaff .2012) / APHA 23rd Edn. 2017-3111 B(AAS)	0.04-5mg/L
		Copper as Cu	IS 3025 Part 42-1992 (Reaff.2014) / APHA 23rd Edn. 2017-3111 B(AAS)	0.01-5.0mg/L
		Zinc as Zn	IS 3025 Part 49-1994 (Reaff .2014) / APHA 23rd Edn. 2017-3111 B(AAS)	0.01 – 10.0 mg/L

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 38 of 79

Validity 30.05.2018 to 29.05.2020

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
		Silver as Ag	IS 13428 -2005 (Reaff .2014) Annex.J / APHA 23rd Edn. 2017-3111 B(AAS)	0.01-2mg/L
		Aluminum as Al	IS 3025 Part 55-2003(Reaff .2014) / APHA 23rd Edn. 2017-3111 E(AAS)	0.02-5.0mg/L
		Antimony as Sb	IS13428-2005(Reaff .2014) Annex G. / APHA 23rd Edn. 2017-3122B(AAS-HVG)	0.01 – 10mg/L
		Boron as B/ Borates as B	IS 13428-2005(Reaff .2014)-Annex H / APHA 23rd Edn. 2017-4500-B B(UV)	0.1 -2.0 mg/L
		Mercury as Hg	IS 3025 Part 48-1994 (Reaff .2014) / APHA 23rd Edn. 2017-3112 B(AAS-HVG)	0.0015 – 500mg/L
		Cadmium as Cd	IS 3025 Part 41-1992 (Reaff .2014) / APHA 23rd Edn. 2017-3111B(AAS)	0.001 -5.0mg/L
		Arsenic as As	IS 3025 Part 37-1988 (Reaff .2014) / APHA 23rd Edn. 2017-3112 B(AAS)	0.01-2mg/L
		Lead as Pb	IS 3025 Part 47-1994 (Reaff .2014) / APHA 23rd Edn. 2017-3111B(AAS)	0.004-10mg/L
		Chromium as Cr	IS 3025 Part 52-2003(Reaff .2014) / APHA 23rd Edn. 2017-3111E(AAS)	0.005 – 2.0mg/L
		Nickel as Ni	IS 3025 Part 54-2003(Reaff .2014)/ APHA 23rd Edn. 2017-3111B(AAS)	0.005 – 2.5mg/L

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 39 of 79

Validity 30.05.2018 to 29.05.2020

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
		Selenium as Se	IS 3025 Part 56-2003(Reaff .2014) / APHA 23rd Edn. 2017-3112 B(AAS-HVG)	0.01-1mg/L
		Molybdenum as Mo	APHA 23rd Edn. 2017-3111B(AAS)	0.005 – 2.0mg/L
		Polychlorinated biphenyl(PCB)	Annex M of IS 13428-2005 (Reaff.2014) / ASTM D 5175-91(2011) / In -house validated method SFTS/INS/SOP/002 / Issue No: 01 Issue Date: 03.01.2015	0.1 - 100 µg/L
		Poly Aromatic Hydrocarbons		
		Naphthalene	APHA 22nd Edn. 2017 6440/ In -house validated method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	0.058 -1.0µg/L
		Acenaphthylene	APHA 22nd Edn. 2017 6440/ In -house validated method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	0.056 -1.0µg/L
		Acenaphthene	APHA 22nd Edn. 2017 6440/ In -house validated method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	0.057 -1.0µg/L
		Fluorene	APHA 22nd Edn. 2017 6440/ In -house validated method SFTS/INS/SOP/007 Issue	0.059 -1.0µg/L

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 40 of 79

Validity 30.05.2018 to 29.05.2020

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
			No: 01 Issue Date: 03.01.2015	
		Phenanthrene	APHA 22nd Edn. 2017 6440/ In-house validated method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	0.057 -1.0µg/L
		Anthracene	APHA 22nd Edn. 2017 6440/ In-house validated method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	0.049 -1.0µg/L
		Fluoranthene	APHA 22nd Edn. 2017 6440/ In-house validated method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	0.058 -1.0µg/L
		Pyrene	APHA 22nd Edn. 2017 6440/ In-house validated method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	0.059 -1.0µg/L
		Benzo(b)fluoranthene	APHA 22nd Edn. 2017 6440/ In-house validated method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	0.056 -1.0µg/L
		Benzo(k)fluoranthene	APHA 22nd Edn. 2017 6440/ In-house validated method	0.058 -1.0µg/L

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Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 41 of 79

Validity 30.05.2018 to 29.05.2020

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
			SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	
		Benzo(a)pyrene	APHA 22nd Edn. 2017 6440/ In-house validated method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	0.055 -1.0µg/L
		Indeno(1,2,3-cd) pyrene	APHA 22nd Edn. 2017 6440/ In-house validated method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	0.053 -1.0µg/L
		Dibenzo (a,h) anthracene	APHA 22nd Edn. 2017 6440/ In-house validated method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	0.057 -1.0µg/L
		Benzo(g,h,i)pyrene	APHA 22nd Edn. 2017 6440/ In-house validated method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	0.052 -1.0µg/L
		Chrysene	APHA 22nd Edn. 2017 6440/ In-house validated method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	0.058 -1.0µg/L
		Benzo (1,2) anthracene	APHA 22nd Edn. 2017 6440/ In-house validated	0.058 -1.0µg/L

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 42 of 79

Validity 30.05.2018 to 29.05.2020

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
			method SFTS/INS/SOP/007 Issue No: 01 Issue Date: 03.01.2015	
		Pesticides		
		O,P- DDT	USEPA 508/525.2/ In - house validated method SFTS/INS/SOP/004 Issue No: 01 Issue Date: 03.01.2015	0.01 -100µg/L
		P,P- DDT	USEPA 508/525.2/ In - house validated method SFTS/INS/SOP/004 Issue No: 01 Issue Date: 03.01.2015	0.01 -100µg/L
		O,P- DDE	USEPA 508/525.2/ In - house validated method SFTS/INS/SOP/004 Issue No: 01 Issue Date: 03.01.2015	0.01 -100µg/L
		P,P- DDE	USEPA 508/525.2/ In - house validated method SFTS/INS/SOP/004 Issue No: 01 Issue Date: 03.01.2015	0.01 -100µg/L
		O,P- DDD	USEPA 508/525.2/ In - house validated method SFTS/INS/SOP/004 Issue No: 01 Issue Date: 03.01.2015	0.01 -100µg/L
		P,P- DDD	USEPA 508/525.2/ In - house validated method SFTS/INS/SOP/004 Issue No: 01 Issue Date: 03.01.2015	0.01 -100µg/L

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 43 of 79

Validity 30.05.2018 to 29.05.2020

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
		Gama HCH(Lindane)	USEPA 508/525.2/ In - house validated method SFTS/INS/SOP/004 Issue No: 01 Issue Date: 03.01.2015	0.01 -100µg/L
		Alpha-HCH	USEPA 508/525.2/ In - house validated method SFTS/INS/SOP/004 Issue No: 01 Issue Date: 03.01.2015	0.01 -100µg/L
		Beta -HCH	USEPA 508/525.2/ In - house validated method SFTS/INS/SOP/004 Issue No: 01 Issue Date: 03.01.2015	0.01 -100µg/L
		Delta-HCH	USEPA 508/525.2/ In - house validated method SFTS/INS/SOP/004 Issue No: 01 Issue Date: 03.01.2015	0.01 -100µg/L
		Alpha- Endosulfan	USEPA 508/525.2/ In - house validated method SFTS/INS/SOP/004 Issue No: 01 Issue Date: 03.01.2015	0.01 -100µg/L
		Beta- Endosulfan	USEPA 508/525.2/ In - house validated method SFTS/INS/SOP/004 Issue No: 01 Issue Date: 03.01.2015	0.01 -100µg/L
		Endosulfansulphate	USEPA 508/525.2/ In - house validated method SFTS/INS/SOP/004 Issue No: 01 Issue Date: 03.01.2015	0.01 -100µg/L

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 44 of 79

Validity 30.05.2018 to 29.05.2020

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
		Chloropyrifos	USEPA 525.2/In -house validated method Issue No: 01 Issue Date: 03.01.2015	0.03 -100µg/L
		Butachlor	USEPA 525.2,/8141A / In -house validated method SFTS/INS/SOP/006 Issue No: 01 Issue Date: 03.01.2015	0.03 -100µg/L
		Alachlor	USEPA 525.2,507/ In -house validated method SFTS/INS/SOP/006 Issue No: 01 Issue Date: 03.01.2015	0.02 -100µg/L
		Atrazine	USEPA 525.2 , 8141A/ In -house validated method SFTS/INS/SOP/006 Issue No: 01 Issue Date: 03.01.2015	0.03 -100µg/L
		Aldrin	USEPA 525.2 / In -house validated method SFTS/INS/SOP/006 Issue No: 01 Issue Date: 03.01.2015	0.02 -100µg/L
		Dieldrin	USEPA 525.2 / In -house validated method SFTS/INS/SOP/006 Issue No: 01 Issue Date: 03.01.2015	0.02 -100µg/L
		Isoproturon	In -house validated method SFTS/INS/SOP/017 USEPA 532 / In -house validated method	0.05- 100 µg/L

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 45 of 79

Validity 30.05.2018 to 29.05.2020

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
IV.	RESIDUES IN FOOD PRODUCTS			
1.	Oils & Fats	Trace Metal Elements		
		Copper as Cu	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	15 -100 mg /kg
		Iron as Fe	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	45 – 500 mg /kg
		Lead as Pb	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	50 – 500 mg /kg
2.	Cereals & Pulses	Arsenic as As	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	0.6 -20 mg/kg
		Lead as Pb	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	8 - 100 mg/kg
		Cadmium as Cd	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	1 -500 mg/kg
		Magnesium as Mg	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	50-500 mg/kg
		Iron as Fe	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	5 -50 mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 46 of 79

Validity 30.05.2018 to 29.05.2020

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
		Copper as Cu	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	3 -20 mg/kg
		Zinc as Zn	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	2-100 mg/kg
		Manganese as Mn	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	3 -25 mg/kg
		Selenium as Se	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	0.9 -25 mg/kg
3.	Sugar & Sugar Products	Lead as Pb	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	15 – 100 mg /kg
		Chromium as Cr	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	30 – 100 mg /kg
		Copper as Cu	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	10 – 100 mg /kg
		Arsenic as As	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	2.2 -20 mg /kg
		Zinc as Zn	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date:	3 – 100 mg /kg

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 47 of 79

Validity 30.05.2018 to 29.05.2020

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
			03.01.2015	
4.	Salt	Lead as Pb	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	22 -100 mg/kg
		Iron as Fe	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	25 - 100 mg/kg
		Arsenic as As	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	2.5 - 20 mg/kg
5.	Spices & Condiments	Lead as Pb	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	10 - 50 mg /kg
		Copper as Cu	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	10 - 50 mg /kg
		Arsenic as As	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	0.8 -20 mg /kg
		Zinc as Zn	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	1.0 - 50 mg /kg
		Cadmium as Cd	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	0.5 – 20 mg /kg
6.	Plantation Products	Lead as Pb	In -house validated method SFTS/INS/SOP/024 Issue	25 – 50.0 mg /kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 48 of 79

Validity 30.05.2018 to 29.05.2020

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
	(Tea & Coffee)		No: 01 Issue Date: 03.01.2015	
		Zinc as Zn	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	25 -50.0 mg /kg
		Copper as Cu	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	15 – 250 mg /kg
7.	Fruits & Vegetables and its products	Lead as Pb	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	10 – 50 mg /kg
		Copper as Cu	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	1 - 100 mg /kg
		Arsenic as As	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	1 – 100 mg /kg
		Zinc as Zn	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	1 - 100 mg /kg
8.	Milk Products	Arsenic as As	In -house validated method SFTS/FCL/SOP/024 Issue No: 01 Issue Date:03.01.2015	0.2 – 10 mg /kg
		Lead as Pb	In -house validated method SFTS/FCL/SOP/024 Issue No: 01 Issue Date:03.01.2015	7 -100 mg /kg

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 49 of 79

Validity 30.05.2018 to 29.05.2020

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
		Cadmium as Cd	In -house validated method SFTS/FCL/SOP/024 Issue No: 01 Issue Date:03.01.2015	2.5 – 25 mg /kg
		Phosphrous as P	In -house validated method SFTS/FCL/SOP/024 Issue No: 01 Issue Date:03.01.2015	10 -1000 mg /kg
		Magnesium as Mg	In -house validated method SFTS/FCL/SOP/024 Issue No: 01 Issue Date:03.01.2015	20-500 mg /kg
		Iron as Fe	In -house validated method SFTS/FCL/SOP/024 Issue No: 01 Issue Date:03.01.2015	15 – 75 mg /kg
		Copper as Cu	In -house validated method SFTS/FCL/SOP/024 Issue No: 01 Issue Date:03.01.2015	5 -100 mg /kg
		Zinc as Zn	In -house validated method SFTS/FCL/SOP/024 Issue No: 01 Issue Date:03.01.2015	1.5 – 25 mg /kg
		Manganese as Mn	In -house validated method SFTS/FCL/SOP/024 Issue No: 01 Issue Date:03.01.2015	7.0 - 200 mg /kg
		Selenium as Se	In -house validated method SFTS/FCL/SOP/024 Issue No: 01 Issue Date:03.01.2015	2.5 – 50 mg /kg
9.	Meat and Meat Products & Fish & Fish Products	Lead as Pb	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date:	10-50 mg/kg

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 50 of 79

Validity 30.05.2018 to 29.05.2020

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
			03.01.2015	
		Tin as Sn	In -house validated method SFTS/INS/SOP/024 Issue No: 01 Issue Date: 03.01.2015	5.0-250.0 mg/kg
10.	Cereals & Pulses, Spices & Condiments, Nuts & Nut Products, Milk & Milk Products, Fruits & Vegetables, Bakery & Confectionery	Mercury as Hg	In -house validated method SFTS/INS/SOP-024 Issue No: 01 dated 03.01.2015	0.15-50 mg/kg
		Tin as Sn	In -house validated method SFTS/INS/SOP-024 Issue No: 01 dated 03.01.2015	5.0-250.0 mg/kg
11.	Fruits and Vegetables and its Products	Pesticides Residues		
		Dichlorvos	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Bendiocarb	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Carbofuran	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Diphenylamine	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Trifluralin	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 51 of 79

Validity 30.05.2018 to 29.05.2020

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
		Phorate	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Alpha - HCH	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Beta - HCH	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Propetamphos	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Gamma - HCH	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Diazinon	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Heptachlor	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		BHC-delta	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Fenitrothion	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 52 of 79

Validity 30.05.2018 to 29.05.2020

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
			Date:03.01.2015	
		Alachlor	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Metalaxyl	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Fenthion	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Parathion-methyl	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Malathion	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Aldrin	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		DDE-o,p'	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Chlorpyrifos	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Pendimethalin	In -house validated method SFTS/INS/SOP/018 Issue	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 53 of 79

Validity 30.05.2018 to 29.05.2020

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
			No: 01 Issue Date:03.01.2015	
		Chlorfenvinphos	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Phenthoate	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Fipronil	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		DDE-p,p'	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Butachlor	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Profenofos	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Dieldrin	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Endrin	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

TC-5936

Page 54 of 79

Validity

30.05.2018 to 29.05.2020

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
		DDD-o,p'	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Chlorfenapyr	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		DDD-p,p'	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Ethion	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Triazophos	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Tebuconazole	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Endosulfan sulfate	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Iprodione	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Bifenthrin	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 55 of 79

Validity 30.05.2018 to 29.05.2020

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
			Date:03.01.2015	
		Fenpropathrin	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Phosalone	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Pyriproxyfen	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Mirex	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin I	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin II	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin III	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin IV	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Fenvalerate	In -house validated method SFTS/INS/SOP/018 Issue	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 56 of 79

Validity 30.05.2018 to 29.05.2020

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
			No: 01 Issue Date:03.01.2015	
		Deltamethrin	In -house validated method SFTS/INS/SOP/018 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
12.	Spices, Condiments & Related Products	Dichlorvos	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Bendiocarb	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Carbofuran	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Diphenylamine	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Trifluralin	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Phorate	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Alpha - HCH	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 57 of 79

Validity 30.05.2018 to 29.05.2020

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
		Beta - HCH	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Propetamphos	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Gamma - HCH	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Diazinon	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Heptachlor	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Delta - HCH	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Fenitrothion	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Alachlor	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Metalaxyl	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

TC-5936

Page 58 of 79

Validity

30.05.2018 to 29.05.2020

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
			Date:03.01.2015	
		Fenthion	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Parathion-methyl	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Malathion	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Aldrin	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		DDE-o,p'	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Chlorpyrifos	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Pendimethalin	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Chlorfenvinphos	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Phenthoate	In -house validated method SFTS/INS/SOP/013 Issue	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

TC-5936

Page 59 of 79

Validity

30.05.2018 to 29.05.2020

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
			No: 01 Issue Date:03.01.2015	
		Fipronil	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		DDE-p,p'	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Butachlor	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Profenofos	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Dieldrin	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Endrin	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		DDD-o,p'	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Chlorfenapyr	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 60 of 79

Validity 30.05.2018 to 29.05.2020

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
		DDD-p,p'	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Ethion	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Triazophos	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Tebuconazole	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Endosulfan sulfate	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Iprodione	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Bifenthrin	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Fenpropathrin	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Phosalone	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 61 of 79

Validity 30.05.2018 to 29.05.2020

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
			Date:03.01.2015	
		Pyriproxyfen	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Mirex	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin I	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin II	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin III	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin IV	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Fenvalerate I	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Deltamethrin	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Iprobenfos	In -house validated method SFTS/INS/SOP/013 Issue	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

TC-5936

Page 62 of 79

Validity

30.05.2018 to 29.05.2020

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
			No: 01 Issue Date:03.01.2015	
		Parathion	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01- 100 mg/kg
		Endo sulfan - alpha	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01- 100 mg/kg
		Endo sulfan - beta	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 - 100 mg/kg
		Dicofol	In -house validated method SFTS/INS/SOP/013 Issue No: 01 Issue Date:03.01.2015	0.01 - 100 mg/kg
13.	Cereals & Pulses	Dichlorvos	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Carbofuran	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Trifluralin	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Phorate	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 63 of 79

Validity 30.05.2018 to 29.05.2020

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
		Alpha - HCH	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Beta - HCH	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Gamma - HCH	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Diazinon	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Delta - HCH	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Alachlor	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Metalaxyl	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Heptachlor	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Fenitrothion	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Malathion	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

TC-5936

Page 64 of 79

Validity

30.05.2018 to 29.05.2020

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
			Date:03.01.2015	
		Aldrin	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Chlorpyrifos	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Pendimethalin	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Chlorfenvinphos	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Quinalphos	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Phenthoate	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Butachlor	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Endosulfan - alpha	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Dieldrin	In -house validated method SFTS/INS/SOP/019 Issue	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 65 of 79

Validity 30.05.2018 to 29.05.2020

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
			No: 01 Issue Date:03.01.2015	
		Endosulfan - beta	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Ethion	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Triazophos	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Endosulfan sulfate	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Tebuconazole	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Permethrin I	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Permethrin II	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin I	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 66 of 79

Validity 30.05.2018 to 29.05.2020

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
		Cypermethrin II	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin III	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin IV	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Deltamethrin	In -house validated method SFTS/INS/SOP/019 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
14.	Milk & Milk Products	Carbofuran	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Phorate	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Alpha - HCH	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Beta - HCH	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Gamma - HCH	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue	0.01 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 67 of 79

Validity 30.05.2018 to 29.05.2020

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
			Date:03.01.2015	
		Delta - HCH	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Fenitrothion	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Fenthion	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Phenthoate	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Aldrin	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Chlorpyrifos	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Chlorfenvinphos	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Chlordane - trans	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Chlordane-cis	In -house validated method SFTS/INS/SOP/023 Issue	0.01 -100mg/kg

Sandeep Singh Tomar
Convenor

Venugopal C
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Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 68 of 79

Validity 30.05.2018 to 29.05.2020

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
			No: 01 Issue Date:03.01.2015	
		Heptachlor endo-epoxide	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		DDE-o,p'	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		DDE-p,p'	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Dieldrin	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		DDD-o,p'	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		DDD-p,p'	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		DDT-p,p'	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Ethion	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 69 of 79

Validity 30.05.2018 to 29.05.2020

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
		DDT-o,p'	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin I	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin II	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin III	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Cypermethrin IV	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
		Fenvalerate I	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.01 -100mg/kg
15.	Meat & Meat Products	Phorate	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.019 -100mg/kg
		Alpha - HCH	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.020 -100mg/kg
		Carbofuran	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue	0.019 -100mg/kg

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 70 of 79

Validity 30.05.2018 to 29.05.2020

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
			Date:03.01.2015	
		Beta - HCH	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.019 -100mg/kg
		Gamma - HCH	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.019 -100mg/kg
		Delta - HCH	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.019 -100mg/kg
		Fenitrothion	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.019 -100mg/kg
		Pirimiphos-methyl	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.020 -100mg/kg
		Phorate sulfone	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.020 -100mg/kg
		Fenthion	In -house validated method SFTS/INS/SOP/023 Issue No: 01 Issue Date:03.01.2015	0.018 -100mg/kg
		Aldrin	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.018 -100mg/kg
		Chlorpyrifos	In -house validated method SFTS/INS/SOP/033 Issue	0.020 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 71 of 79

Validity 30.05.2018 to 29.05.2020

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
			No: 01 Issue Date:01.11.2016	
		Phorate Sulfoxide	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.021 -100mg/kg
		Chlorfenvinphos	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.019 -100mg/kg
		Phenthoate	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.020 -100mg/kg
		DDE-o,p'	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.019 -100mg/kg
		DDE-p,p'	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.019 -100mg/kg
		Dieldrin	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.021 -100mg/kg
		DDD-o,p	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.020 -100mg/kg
		Fenthion sulfone	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.020 -100mg/kg

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 72 of 79

Validity 30.05.2018 to 29.05.2020

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
		DDT-o,p'	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.021 -100mg/kg
		DDT-p,p'		0.021 -100mg/kg
		DDD-p,p'		0.021-100mg/kg
		Fenthion sulfoxide	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.019 -100mg/kg
		Ethion	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.019 -100mg/kg
		Cypermethrin I	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.019 -100mg/kg
		Cypermethrin II	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.018 -100mg/kg
		Cypermethrin III	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.020 -100mg/kg
		Cypermethrin IV	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.021 -100mg/kg
		Fenvalerate I	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue Date:01.11.2016	0.021 -100mg/kg
		Fenvalerate II	In -house validated method SFTS/INS/SOP/033 Issue No: 01 Issue	0.022 -100mg/kg

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

TC-5936

Page 73 of 79

Validity

30.05.2018 to 29.05.2020

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
16.	Fish & Fish Products	Alpha - HCH	Date:01.11.2016 In -house validated method SFTS/INS/SOP/031 Issue No: 01 Issue Date:01.11.2016	0.020 -100mg/kg
		Beta - HCH	In -house validated method SFTS/INS/SOP/031 Issue No: 01 Issue Date:01.11.2016	0.019 -100mg/kg
		Gamma - HCH	In -house validated method SFTS/INS/SOP/031 Issue No: 01 Issue Date:01.11.2016	0.020 -100mg/kg
		Delta - HCH	In -house validated method SFTS/INS/SOP/031 Issue No: 01 Issue Date:01.11.2016	0.020 -100mg/kg
		Quinalphos	In -house validated method SFTS/INS/SOP/031 Issue No: 01 Issue Date:01.11.2016	0.020 -100mg/kg
		DDE-o,p'	In -house validated method SFTS/INS/SOP/031 Issue No: 01 Issue Date:01.11.2016	0.020 -100mg/kg
		Endosulfan - alpha	In -house validated method SFTS/INS/SOP/031 Issue No: 01 Issue Date:01.11.2016	0.019 -100mg/kg
		DDE-p,p'	In -house validated method SFTS/INS/SOP/031 Issue No: 01 Issue Date:01.11.2016	0.019 -100mg/kg
		DDD-o,p'	In -house validated method SFTS/INS/SOP/031 Issue	0.019 -100mg/kg

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 74 of 79

Validity 30.05.2018 to 29.05.2020

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
			No: 01 Issue Date:01.11.2016	
		Endosulfan - beta	In -house validated method SFTS/INS/SOP/031 Issue No: 01 Issue Date:01.11.2016	0.020 -100mg/kg
		DDD-p,p'	In -house validated method SFTS/INS/SOP/031 Issue No: 01 Issue Date:01.11.2016	0.019 -100mg/kg
		DDT-p,p'	In -house validated method SFTS/INS/SOP/031 Issue No: 01 Issue Date:01.11.2016	0.019 -100mg/kg
		Endosulfan sulfate	In -house validated method SFTS/INS/SOP/031 Issue No: 01 Issue Date:01.11.2016	0.020 -100mg/kg
		DDT-o,p'	In -house validated method SFTS/INS/SOP/031 Issue No: 01 Issue Date:01.11.2016	0.019 -100mg/kg
17.	Plantation Products (Tea & Coffee)	Dicofol	In -house validated method SFTS/INS/SOP/032 Issue No: 01 Issue Date:01.11.2016	0.05 -100mg/kg
		Quinalphos	In -house validated method SFTS/INS/SOP/032 Issue No: 01 Issue Date:01.11.2016	0.011 -100mg/kg

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 75 of 79

Validity 30.05.2018 to 29.05.2020

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
		Ethion	In -house validated method SFTS/INS/SOP/032 Issue No: 01 Issue Date:01.11.2016	0.05 -100mg/kg
		Propargite	In -house validated method SFTS/INS/SOP/032 Issue No: 01 Issue Date:01.11.2016	0.05-100mg/kg
18.	Carbonated Beverages	Alpha - HCH	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.05 -100 µg/L
		Beta - HCH	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.05 -100 µg/L
		Gamma - HCH	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.05 -100 µg/L
		Delta - HCH	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.05 -100 µg/L
		Malathion	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.03 -100 µg/L
		Chlorpyrifos	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.05 -100 µg/L
		DDE-o,p'	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue	0.05 -100 µg/L

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Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 76 of 79

Validity 30.05.2018 to 29.05.2020

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
			Date:01.11.2016	
		Endosulfan- alpha	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.05 -100 µg/L
		DDE-p,p'	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.05 -100 µg/L
		DDD-o,p'	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.05 -100 µg/L
		DDD-p,p'	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.05 -100 µg/L
		Endosulfan - beta	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.05 -100 µg/L
		DDT-p,p'	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.05 -100 µg/L
		DDT-o,p'	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.03 -100 µg/L
		Endosulfan sulfate	In -house validated method SFTS/INS/SOP/034 Issue No: 01 Issue Date:01.11.2016	0.05 - 100 µg/L

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 77 of 79

Validity 30.05.2018 to 29.05.2020

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
19.	Food Products Including Dairy, Complimentary Foods, Fruit Base Products Agri Foods, Nuts and Nut Products, Pickles, Cereals and Cereal Products, Tea, Caffeine, Beverages, Carbonated Water	Mycotoxins		
		Aflatoxin-G2	In -house validated method/ SFTS/INS/SOP/010 Issue No: 01 Issue Date:03.01.2015	1.0.-200 µg/kg
		Aflatoxin-G1	In -house validated method/ SFTS/INS/SOP/010 Issue No: 01 Issue Date:03.01.2015	1.0.-200 µg/kg
		Aflatoxin-B2	In -house validated method/ SFTS/INS/SOP/010 Issue No: 01 Issue Date:03.01.2015	1.0.-200 µg/kg
		Aflatoxin-B1	In -house validated method/ SFTS/INS/SOP/010 Issue No: 01 Issue Date:03.01.2015	1.0.-200 µg/kg
		Total Aflatoxins	In -house validated method/ SFTS/INS/SOP/010 Issue No: 01 Issue Date:03.01.2015	1.0-800 µg/kg
		Naturally Occurring Toxins		
	Agaric acid	In -house validated method SFTS/INS/SOP/021 Issue No: 01 Issue Date:03.01.2015	40 – 10000 mg/kg	
	Uric acid	In -house validated method SFTS/INS/SOP/014 Issue No: 01 Issue Date:03.01.2015	200 – 2000 mg/kg	

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 78 of 79

Validity 30.05.2018 to 29.05.2020

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
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MECHANICAL TESTING

I.	PAPER & PAPER PRODUCTS				
1.	Paper & Paper Board	Thickness		IS 1060 (Part 1): 1966 (RA 2016)	0.15 mm to 5 mm
		Bulk		IS 1060 (Part 1): 1966 (RA 2016)	1.0 cm ³ /g to 20 cm ³ /g
		Substance		IS 1060 (Part 1): 1966 (RA 2016)	50 g/m ² to 500 g/m ²
		Bursting Strength		IS 1060 (Part 1): 1966 (RA 2016)	40 kPa to 2000 kPa
		Bursting Factor		IS 1060 (Part 1): 1966 (RA 2016)	0.4 kg/cm ² to 20 kg/cm ² 16 to 32
		Bursting Index		IS 1060 (Part 1): 1966 (RA 2016)	1.5 to 3.1
		Breaking Length	Length wise	IS 1060 (Part 1): 1966 (RA 2016)	1 m to 4500 m
			Cross wise		1 to 3500 m
		Tensile Strength	Length wise	IS 1060 (Part 1): 1966 (RA 2016)	2 kgF to 20 kgF
			Cross wise		1 kgF to 10 kgF
	Elongation	Length wise	IS 1060 (Part 1): 1966 (RA 2016)	1 to 3 %	
		Cross wise		1 to 5 %	
	Tensile Index		IS 1060 (Part 1): 1966 (RA 2016)	0.5 Nm/g to 50 Nm/g	
2.	Corrugated Fibre Board Boxes	Dimension	Length	IS 2771 (Part 1): 1990 (RA 2008)	100 mm to 700 mm
			Width		100 mm to 700 mm
			Height		100 mm to 700 mm
	Combined Internal Dimension		IS 2771 (Part 1): 1990 (RA 2008)	300 mm to 2500mm	

Laboratory Scientific Food Testing Services (P) Ltd., Plot No. 16, D.No. 8, First Street, Thangam Colony, Anna Nagar West, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5936

Page 79 of 79

Validity 30.05.2018 to 29.05.2020

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	
		Number of Ply	IS 2771 (Part 1): 1990 (RA 2008)	3 to 7 (By Counts)	
		Style of Box	IS 6481:1971 (RA 2008)	Qualitative(visual)	
		Type of Flute	IS 2771 (Part 1): 1990 (RA 2008)	Qualitative(visual)	
		Compression Strength	IS 7028 (Part 6): 1987 (RA 2013)	50 kgF to 500 kgF 490N to 4900 N	
		Bursting Strength	IS 1060 (Part 1): 1966 (RA 2016)	30 kPa to 2000 kPa 0.3 kg/cm ² to 20 kg/cm ²	
		Drop Test	IS 7028 (Part 4): 1987 (RA 2013)	Pass/Fail	
		Stack Load Test	IS 7028 (Part 1): 2002 (RA 2011)	Pass/Fail	
II.	PLASTICS & POLYMERS				
1.	Films & Laminates	Thickness	IS 2508:1984 (RA 2003)	8 µm to 200 µm	
		Seal Strength	ASTM F88-07a-2015	0.5 kgF to 10 kgF	
		Bond Strength	ASTM F904-98-2016	0.050 kgF to 0.700 kgF	
		Tensile Strength	Length wise	IS 2508:1984 (RA 2003)	38 kg/cm ² to 200 kg/cm ²
					Cross wise
		Elongation at Break	Length wise	IS 2508:1984 (RA 2003)	2 % to 800 %
			Cross wise		20 % to 1000 %
		Dart Impact Resistance	IS 2508:1984 (RA 2003)	50 gF to 400 gF	
	Coefficient of Friction	Static	IS 2508:1984 (RA 2003)	0.020 to 0.850	
		Dynamic		0.020 to 0.650	