National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

CERTIFICATE OF ACCREDITATION

MAARC LABS PVT. LTD.

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road,
Pune, Maharashtra

in the field of

TESTING

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Issue Date 29/11/2017 **Valid Until** 28/11/2019

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

N. Venkateswaran
Program Director

8907697010003000887

Anil Relia
Chief Executive Officer

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 1 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

BIOLOGICAL TESTING

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	**FOOD & AGRICULTURAL PRODUCTS**			
1.	**Sugar & by Product (by membrane filtration assembly)**	Mesophilic bacteria/ Total Aerobic Plate Count	ICUMSA GS 2/3-41:2011 ISBT Procedure 4	≥ 10CFU/g
		Yeast /Total Aerobic Yeast Count	ICUMSA GS 2/3-47:1998 ISBT Procedure 5	≥ 10CFU/g
		Mould/ Total Aerobic Mould Count		≥ 10CFU/g
		Thermophilic Acidophilic bacteria	SOP/MAARC/TAB Based on SM-PR-687 Issue date 07/11/2013	≥ 10CFU/g
		Guaicol Producing Bacteria	SOP/MAARC/GTAB Based on SM-PR-687 Issue date 07/11/2013	Present/Absent/50 g (Dry Basis)
		Salmonella	IS 5887 (Part 3):1999	Present/Absent/25 g/ml
		Staphylococcus aureus	IS 5887 (Part II):1976	Present/Absent/25 g/ml
		Shigella	IS 5887 (Part 7):1999	Present/Absent/25 g/ml
		E. coli	IS 5887 (Part I):1976	Present/Absent/25 g/ml
		Vibrio cholerae	IS 5887 (Part V):1976	Present/Absent/25 g/ml
2.	**Milk and Dairy Products**	Total Plate Count	IS 5402:2012	10 to10^5 CFU/g/ ≥ 10CFU/g
		Yeast	IS 5403:1999	10 to10^5 CFU/g
		Mould		≥ 10CFU/g
		Salmonella	IS 5887 (Part 3):1999	Present/Absent/25 g/ml
		Staphylococcus aureus	IS 5887 (Part II):1976	10 to10^4 CFU/g/ml
				Present/Absent/g/ml
		E. coli	IS 5887 (Part I):1976	10 to10^5 CFU/g ≥ 10CFU/ml
				Present/Absent/g

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 **Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Coliform Count	IS 5401 (Part 1):2002	10 to10^5 CFU/g/ ≥ 10 CFU/ml
		Vibrio cholerae	IS 5887 (Part v):1976	Present/Absent/25g/ml
		Listeria monocytogenes	ISO 11290 Part 1:1996	Present/Absent/g
		Anaerobic spore forming bacteria	ISO 15213	10 to10^5 CFU/g ≥ 10 CFU/ml
3.	Confectionary & Bakery Products	Total Plate Count	IS 5402:2012	10 to10^5 CFU/g
		Yeast and Mould Count	IS 5403:1999	10 to10^5 CFU/g
		Salmonella	IS 5887 (Part 3):1999	Present/Absent/25 g
		Staphylococcus aureus	IS 5887 (Part II):1976	Present/Absent/25 g
		Shigella	IS 5887 (Part 7):1999	Present/Absent/25 g
		E. coli	IS 5887 (Part I):1976	Present/Absent/25 g
		Vibrio cholerae	IS 5887 (Part V):1976	Present/Absent/25g
4.	Fruit & Fruit Products	Total Plate Count	IS 5402:2012	10 to10^5 CFU/g ≥ 10 CFU/ml
		Yeast and Mould Count	IS 5403:1999	10 to10^5 CFU/g ≥ 10 CFU/ml
		Salmonella	IS 5887 (Part 3):1999	Present/Absent/25 g/ml
		Staphylococcus aureus	IS 5887 (Part II):1976	Present/Absent/25 g/ml
		Shigella	IS 5887 (Part 7):1999)	Present/Absent/25 g/ml
		E. coli	IS 5887 (Part I):1976	Present/Absent/25g/ml
		Vibrio cholerae	IS 5887 (Part V):1976	Present/Absent/25 g/ml
		Flat sour organism	FSSAI:Lab manual14, 2012	10 to 10,000 CFU/g Present/Absent.
		Mould Count	FSSAI Lab Manual 14, clause 6, 2012	Positive/Negative of the field examined
		Yeast and spores	FSSAI Lab Manual 14, clause 6, 2012	1 to 200/1/60 c.m.m.
5.	Vegetable & Vegetable Products	Total Plate Count	IS 5402:2012	10 to10^5 CFU/g ≥ 10 CFU/ml
		Yeast and Mould Count	IS 5403:1999	10 to10^5 CFU/g ≥ 10 CFU/ml
		Salmonella	IS 5887 (Part 3):1999	Present/Absent/25 g/ml

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 3 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Staphylococcus aureus	IS 5887 (Part II):1976	Present/Absent/25 g/ml
				Present/Absent/g/ml
		Shigella	IS 5887 (Part 7):1999)	Present/Absent/25 g/ml
		E. coli	IS 5887 (Part I):1976	Present/Absent/25g/ml
				Present/Absent/g/ml
		Vibrio cholerae	IS 5887 (Part V):1976	Present/Absent/25 g/ml
		Mould Count	FSSAI Lab Manual 14 clause 6, 2012	Positive/Negative of the field examined
		Yeast and spores	FSSAI Lab Manual 14 clause 6, 2012	1 to 200/1/60 c.m.m.
6.	**Bevrages (Alcoholic/Non Alcoholic)**	Total Plate Count	IS 5402:2012	10 to10^5 CFU per g or ≥ 10 CFU/ml
		Salmonella	IS 5887 (Part 3):1999	Present/Absent/25g/ml
		Staphylococcus aureus	IS 5887 (Part II):1976	Present/Absent/25 g/ml
		Shigella	IS 5887 (Part 7):1999	Present/Absent/25 g ml
		E. coli	IS 5887 (Part I):1976	Present/Absent/25g/ml
		Vibrio cholerae	IS 5887 (Part V):1976	Present/Absent/25 g/ml
		Yeast and Mould Count	IS 5403:1999	10 to10^5 CFU/g ≥ 10 CFU/ml
7.	**Herbs, Spices & Condiments**	Salmonella	IS 5887 (Part 3):1999	Present/Absent/25 g
II.	**WATER**			
1.	**Water for Processed Food Industries**	Proteolytic Organisms	IS 4251:1967	≥ 10 CFU/ml
		Lipolytic organisms	IS 4251:1967	≥ 10 CFU/ml
		Standard Plate Count	IS 1622:1981	≥ 10 CFU/ml
		Coliform	IS 1622:1981	1 to 161 MPN/100 ml
2.	**Drinking Water & Packaged Drinking Water & Packaged Natural Mineral Water (by membrane filtration assembly)**	E. coli	IS 15185:2002	Present/Absent/250 ml
			IS 1622:1981	Present/Absent/100 ml
		Coliform bacteria	IS 15185:2002	Present/Absent per 250 ml
			IS 1622:1981	2 to 1600 MPN/100 ml
		Faecal streptococci	IS 15186:2002	Present/Absent/250 ml
		S. aureus	IS 5887 (Part II):1976	Present/Absent/250 ml

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 Last Amended on 26.12.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Sulphite reducing anaerobes	Annex C of IS 13428:2005	Present/Absent/50 ml
		Pseudomonas aeruginosa	Annex D of IS 13428:2005	Present/Absent/250 ml
		Aerobic Microbial Count(37^0C)	IS 5402:2012	≥ 1 CFU/ml
		Aerobic Microbial Count(22^0C)	IS 5402:2012	≥ 1 CFU/ml
		Yeast and mould	IS 5403:1999	Present/Absent/250 ml
		Salmonella	IS 15187:2002	Present/Absent/250 ml
		Shigella	IS 5887 (Part 7):1999	Present/Absent/250 ml
		Vibrio cholerae	IS 5887 (Part V):1976	Present/Absent/250 ml
		Vibrio parahaemolyticus	IS 5887 (Part V):1976	Present/Absent/250 ml

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 5 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

CHEMICAL TESTING

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	**FOOD & AGRICULTURAL PRODUCTS**			
1.	**Fruit & Vegetable product, Cereals, pulses & by products, Milk and Dairy Product, sugar & by products**	Methyl mercury as Hg	SOP/MAARC/Methyl mercury/GC-ECD, Issue date 01/07/2015	0.1 to 5 mg/kg
		Hydrocyanic Acid	SOP/MAARC/Hydrocyanic Acid, Issue date 01/06/2015	2 to 20 mg/kg
		Hypericin	SOP/MAARC/ Hypericin /HPLC, Issue date 01/06/2015	0.5 to 10 mg/kg
		Agaric Acid	SOP/MAARC/Agaric acid /HPLC,Issue Date 01/06/2015	10 to 500 mg/kg
		Safrole	SOP/MAARC/Safrole/ GCMS, Issue Date 01/06/2015	1 to 10 mg/kg
		Total Aflatoxin	SOP/MAARC/Aflatoxin/ HPLC, Issue Date 04/05/2015	10 to 50 µg/kg
2.	**Sugar and by products**	Colour	ICUMSA GS 2/3-10 (2011)	5 to 250 IU
		Colour	ICUMSA GS 2/3-9 (2005)	5 to 250 IU
		Colour	ICUMSA GS 1/3-7 (2002)	250 to 42,000 $IU_{7.0}$
		Colour	ICUMSA GS 9/1/2/3-8 (2011)	5 to 16,000 IU
		Conductivity Ash/ Ash	ICUMSA GS 2/3/9-17 (2011)	0.003 to 0.200%
		Dextran	ICUMSA GS 1/2/9-15 (2011)	20 mg/kg to 1000 mg/kg
		Floc Potential/ Beverage floc	ICUMSA GS 2/3-40 (2007)/ SOP/MAARC/Floc / SM-PR-270 Issue date 07/11/2013	0 = negative to 4 = Heavy

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 6 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Insoluble Matter/Sediment / extraneous matter	ICUMSA GS 2/3/9-19 (2007) / SOP/MAARC /Sediment /SM-PR-415 Issue date 07/11/2013	5 to 500 mg/kg
		Loss on Drying /Moisture	ICUMSA GS 2/1/3/9-15 (2011)	0.01 to 1.0%
		Polarization	IS 15279:2003 Clause 5, Reaffirm 2008	10 to 100 ^{0}Z
		Sucrose	FSSAI lab manual Sugar and sugar products S No 7.4(2015)	50 to 100%
		Assay/ Purity	By calculation	NA
		Brix/ Refractometer Brix	ICUMSA GS 4/3/8-13	0.1 to 85^{0}
		Reducing Sugars/Invert Sugars	SOP/RS/GS2/3/9-5(A), Issue Date 01/10/2014	0.1 to 0.5%
			ICUMSA GS 2/3/9-5 (2011)	0.002 to 0.050%
		Sulphite/Sulphur Dioxide	ICUMSA GS 2/1/7/9-33 (2011)/FSSAI lab manual Sugar and sugar products S No 7.5(2015)	2 to 70 mg/kg
		Chloride	Food Chemical Codex III edition, page 471	50 to 200 mg/kg
		QAC	SOP/MAARC/QAC/ SM-PR-470 Issue date 09/11/2013	0.5 to 5 mg/kg
		pH	ICUMSA GS1/2/3/4/7/8/9-23 (2009)	1 to 14
		Turbidity	ICUMSA GS2/3-18 (2013)	1 to 250 IU
		Melamine	SOP/MAARC/Melamine/LC MS issue date 30/04/2016	2 to 10 mg/kg
		Dirth,filth,iron fillings & added colouring matter.	FSSAI Instructions Manual Part II (2012)	NA
		Taste,odour,odour after acidification & appearance	SOP/Sensory evaluation/SM-PR-420 Issue Date 01/02/2016	NA

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 7 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
3.	**Milk and Dairy Product**	Moisture	IS 1479 (Part II):1961(RA 2013) /IS 11623:2008 (RA 2013)/ FSSAI Lab Manual (Milk & Milk Products) 1.3.3, 3.2, 4.4, 5.2, 6.2, 7.2, 8.2, 9.2, 10.2, 11.2, 12.2,13.2,14.2,15.2,16.2, 17.2(2016)	0.2 to 99%
		Fat	IS 11762:2013 / IS 1479 (Part II):1961 (RA 2013) / IS 11721:2013 / FSSAI Lab Manual (Milk & Milk Products) 1.3.4, 2.2, 3.3, 4.2, 5.3, 6.3, 7.4, 9.3, 10.3, 11.3, 12.3, 14.3, 15.3, 16.3, 17.3 (2016)	0.1 to 50%
		Protein	IS 1479 (Part II):1961 (RA 2013) / IS 7219:1973 (RA 2010 / FSSAI Lab Manual (Milk & Milk Products) 3.4, 7.5, 9.6, 10.6, 15.4, 16.4, 17.4, 19.1 (2016)	0.1 to 35%
		Titrable Acidity	IS 3507:1966 (RA 2013)/ IS 11766:1986 (RA 2012)/ FSSAI Lab Manual (Milk & Milk Products) 9.5, 10.4, 14.5, 15.5 (2016)	0.1 to 5%
		Total Ash	IS 1479 (Part II):1961/ (RA 2013)/ IS 1165:2002(RA 2013) / FSSAI Lab Manual 14.6, 16.5, 17.7 (Milk & Milk Products(2016)	0.1 to 10%

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 Last Amended on 26.12.2017

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 1479 (Part II);1961 (RA 2013)/IS 11622:1986 (RA 2013) / IS 11623:2008 (RA 2013) / FSSAI Lab Manual (Milk & Milk Products) 1.3.3, 3.2, 4.4, 5.2, 6.2, 7.2, 8.2, 9.2, 10.2, 11.2, 12.2,13.2,14.2, 15.2,16.2, 17.2 (2016)	0.2 to 99%
		Sugar (added / total)	IS 4079:1967 (RA 2011)/ FSSAI Lab Manual (Milk & Milk Products) 9.4, 14.7 (2016)	1 to 90%
		Solid not fat	IS 12299:1998 (RA 2011)	1 to 99%
		Carbohydrate	IS 1656:2007 (RA 2012) / FSSAI Lab Manual (Milk & Milk Products) 10.5 (2016)	1 to 99%
		Aflatoxin M1	SOP/MAARC/AflatoxinM1/ HPLC, issue date 01/06/2015	0.2 to 10 µg/kg
		Melamine	SOP/MAARC/Melamine/LC MS issue date 30/04/2016	0.25 to 2 mg/kg
4.	**Cereals, pulses and by products,**	Moisture	IS 1155:1968 (RA 2010) / FSSAI Lab Manual 2.0, 8.1 (2016) (Cereals & Cereal Products) IS 3579:1966 (RA 2015)	0.02 to 90%
		Total ash	IS 1155:1968 (RA 2010) / FSSAI Lab Manual 8.2 (2016) (Cereals & Cereal Products)	0.01 to 20%
		Acid insoluble ash	IS 1155:1968 (RA 2010) / FSSAI Lab Manual 8.3 (2016) (Cereals & Cereal Products)	0.01 to 20%

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 Last Amended on 26.12.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
5.	Bakery,and Confectionery Products	Moisture	IS 12711:1989 (RA 2010) / DGHS Lab manual 4-1.2,2.2,4.2,5.2,7.2 (2005)	0.02 to 90%
		Total ash	IS 12711:1989 (RA 2010) / DGHS Lab manual 4-1.3,2.3,3.2,4.4,5.3,6.7,7.3, 9.3 (2005)	0.01 to 20%
		Acid insoluble ash	IS 12711:1989 (RA 2010) / DGHS Lab manual 4-1.5,2.4,4.5,5.5,8.1,13.3,14. 3 15.5 (2005)	0.01 to 20%
6.	Edible oil & fats	Cholesterol	AOAC 994.10 20th edition 2016	0.1 to 300 mg/100 gm
		Saturated fatty acids	IS 548 (PART III) (1976) (RA:2012)	0.01 to 99.9% m/m
		Mono unsaturated fatty acids (MUFA)		
		Poly unsaturated fatty acids (PUFA)		
		Trans fat (Trans-9-Elaidic acid)		0.01 to 10% m/m
7.	Fruit & Vegetable Products	Moisture	FSSAI Lab Manual (Fruits & Vegetable Products)	0.2 to 99%
		Brix/ Total soluble solids	IS13815:2010/ FSSAI Lab Manual (Fruits & Vegetable Products)	0.2 to 90%
		Total ash	FSSAI Lab Manual (Fruits & Vegetable Products)	0.1 to 10%
		Acid insoluble ash	IS13846:2009/ FSSAI Lab Manual (Fruits & Vegetable Products)	0.1 to 10%
		Total Solids	FSSAI Lab Manual (Fruits & Vegetable Products)	0.5 to 99%

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 **Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
II.	**WATER**			
1.	**Drinking Water, Packaged Drinking Water, Packaged Natural Mineral Water, Water for Food Processing Industries and Raw Water**	Colour	IS 3025 (Part 4):1983-Cl. 2 Reaffirmed 2006	2 to 50 units
		Odour	IS 3025 (Part 5):1983 Reaffirmed 2006	Qualitative Test
		Taste	IS 3025 (part 8):1984 Reaffirmed 2012	Qualitative Test
		Turbidity	IS 3025 (Part 10):1984-Cl. 1 Reaffirmed 2006	1 to 50 NTU
		Total dissolved solids	IS 3025 (Part 16):1984-Cl. 1 Reaffirmed 2006	50 to 5000 mg/L
		pH	IS 3025 (Part 11):1983-Cl. 2 Reaffirmed 2006	1 to 14 pH units
		Nitrate (as NO_3)	IS 3025 (Part 34):1988-Cl. 3.3 Reaffirmed 2009	2 to 100 mg/L
		Nitrite (as NO_2)	IS 3025 (Part 34):1988-Cl. 4 Reaffirmed 2009	0.01 to 1 mg/L
		Fluoride (as F)	IS 3025 (PART 60):2008	0.2 to 2.5 mg/L
		Chloride (as Cl)	IS 3025 (Part 32):1988 Cl. 2 Reaffirmed 2009	5 to 500 mg/L
		Sulphate (as SO_4)	IS 3025 (Part 24):1986-Cl. 4 Reaffirmed 2009	5 to 500 mg/L
		Alkalinity (as$CaCO_3$)	IS 3025 (Part 23):1986-Cl. 8 Reaffirmed 1998	5 to 500 mg/L
		Calcium (as Ca)	IS 3025 (Part 40):1991-Cl. 5 Reaffirmed 2009	5 to 500 mg/L
		Magnesium (as Mg)	IS 3025 (Part 46):1994-Cl. 6 Reaffirmed 2009	5 to 500 mg/L
		Sodium (as Na)	IS 3025 (Part 45):1993-Cl. 6 Reaffirmed 2009	1 to 500 mg/L
		Residual free chlorine	IS 3025 (Part 26):1986-Cl. 3 Reaffirmed 2009	0.1 to 5 mg/L

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 11 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Bromate (as $Bro_{3)}$	EPA 300.0 AUG 1993; Revision 2.1	0.001 to 0.05 mg/L
		Phenolic compounds (as C_6H_5OH)	IS 3025 (Part 43):1992-Cl. 6 Reaffirmed 2009	0.001 to 0.05 mg/L/ Absent
		Mineral oil	IS 3025 (Part 39):1991-Cl. 6 Reaffirmed 2009	0.1 to 5 mg/L/ Absent
		Anionic surface active agents (as MBAS)	Annex K of IS 13428:2005 Reaffirmed 2009 / APHA 5540 A,B and C 22nd edition 2012	0.1 to 5 mg/L
		Sulphide (as H_2S)	IS 3025 (Part 29):1986-Cl. 3 Reaffirmed 2009	0.04 to 5 mg/L
		Total hardness (as $CaCO_3$)	IS 3025 (Part 21):1983-Cl. 2 Reaffirmed 2009	5 to 1000 mg/L
		Total solids	IS 3025 (Part 15):1984-Cl. 1 Reaffirmed 2009	50 to 5000 mg/L
		Ammonia (as NH_3)	IS 3025 (Part 34):1988	0.4 to 10 mg/L
III.	**RESIDUES IN FOOD PRODUCTS**			
1.	**Fruit & Vegetable product, Nuts & Nut Products, Confectionary & Bakery Products, Spices & Condiments, Cereals, pulses & by products, Milk & dairy products, sugar & by products**	**Trace Metal Elements**		
		Zinc	FSSAI Manual of methods of analysis of foods METALS S.No.3.0 (2016)	0.5 to 10mg/kg
		Arsenic	FSSAI Manual of methods of analysis of foods METALS S.No.7.2 (2016)	0.1 to 5 mg/kg
		Cadmium	FSSAI Manual of methods of analysis of foods METALS S.No.3.0 (2016)	0.05 to 5 mg/kg
		Copper		0.5 to 10mg/kg
		Lead		0.1 to 10 mg/kg
		Mercury		0.1 to 5 mg/kg
		Tin	FSSAI Manual of methods of analysis of foods METALS S.No.8.1 (2016)	50 to 250 mg/kg

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 **Last Amended on** 26.12.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
2.	Sugar and by products	**Trace Metal Elements**		
		Zinc	ICUMSA GS 9-11 (2015)	0.5 to 10 mg/kg
		Cadmium	ICUMSA GS 9-11 (2015) FSSAI Manual of methods of analysis of foods METALS S.No.3.0 (2016)	0.05 to 5 mg/kg
		Mercury	ICUMSA GS 9-12 FSSAI Manual of methods of analysis of foods METALS S.No.3.0 (2016)	0.08 to 5 mg/kg
		Tin	SOP / MAARC / HMS / AAS, Issue date 01/01/2015 FSSAI Manual of methods of analysis of foods METALS S.No.8.1 (2016)	50 to 250 mg/kg
		Chromium	SOP/MAARC/Cr/AAS	0.02 to 1 mg/kg
		Arsenic	ICUMSA GS 2/3/9-25 (2007)	0.05 to 1.0 mg/kg
		Copper	ICUMSA GS 9-9 (2013) ICUMSA GS 2-51 (2015) FSSAI Manual of methods of analysis of foods METALS S.No.3.0 (2016)	0.2 to 5 mg/kg
		Iron	ICUMSA GS 2/3/7/8-31 (1994), ICUMSA GS 9-10 (2013)	0.2 to 5 mg/kg
		Lead	ICUMSA GS 2/3-24 (1998) ICUMSA GS 2-51 (2015) FSSAI Manual of methods of analysis of foods METALS S.No.3.0 (2016)	0.05 to 5.00 mg/kg
3.	Sugar and sugar syrup	**Pesticides Residues**		
		2,4 D	SOP/MAARC/PRS/HPLC 1 (Based on USEPA 555:1962), Issue date 02/04/2012	1 to 1000 µg/kg

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 Last Amended on 26.12.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		2,4'DDT	SOP/MAARC/PRS/GCMS (Based on USEPA 525.2:1995), Issue date 02/04/2012	1 to 1000 µg/kg
		4,4'DDT		1 to 1000 µg/kg
		2,4'DDD		1 to 1000 µg/kg
		4,4'DDD	SOP/MAARC/PRS/GCMS (Based on USEPA 525.2:1995), Issue date 02/04/2012	1 to 1000 µg/kg
		2,4'DDE		1 to 1000 µg/kg
		4,4'DDE		1 to 1000 µg/kg
		α-HCH	SOP/MAARC/PRS/GCMS (Based on USEPA 525.2:1995), Issue date 02/04/2012	1 to 1000 µg/kg
		β-HCH		1 to 1000 µg/kg
		δ-HCH		1 to 1000 µg/kg
		γ-HCH		1 to 1000 µg/kg
		Alchlor		1 to 1000 µg/kg
		Aldrin	SOP/MAARC/PRS/GCMS (Based on USEPA 525.2:1995), Issue date 02/04/2012	1 to 1000 µg/kg
		Atrazin		1 to 1000 µg/kg
		Dieldrin	SOP/MAARC/PRS/GCMS (Based on USEPA 525.2:1995), Issue date 02/04/2012	1 to 1000 µg/kg
		Endosulfan I		1 to 1000 µg/kg
		Endosulfan II		1 to 1000 µg/kg
		Endosulfan Sulfate	SOP/MAARC/PRS/GCMS (Based on USEPA 525.2:1995), Issue date 02/04/2012	1 to 1000 µg/kg
		Ethion		1 to 1000 µg/kg
		Isoproturon	SOP/MAARC/PRS/HPLC (Based on USEPA 532:2000), Issue date 02/04/2012	1 to 1000 µg/kg
		Methyl Parathion	SOP/MAARC/PRS/GCMS (Based on USEPA 525.2:1995), Issue date 02/04/2012	1 to 1000 µg/kg
		Methyl Paraxon		1 to 1000 µg/kg
		Malathion		1 to 1000 µg/kg

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 **Last Amended on** 26.12.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Malaxon	SOP/MAARC/PRS/GCMS (Based on USEPA 525.2:1995), Issue date 02/04/2012	1 to 1000 µg/kg
		Monocrotophos		1 to 1000 µg/kg
		Phorate		1 to 1000 µg/kg
		Phorate Sulfone	SOP/MAARC/PRS/GCMS (Based on USEPA 525.2:1995), Issue date 02/04/2012	1 to 1000 µg/kg
		Phorate Sulfoxide	SOP/MAARC/PRS/HPLC (Based on USEPA 532:2000), Issue date 02/04/2012	1 to 1000 µg/kg
		Carbofuran	SOP/MAARC/PR/09_1 Issue date 01/07/2015	10 to 1000 µg/kg
		Atrazine	SOP/MAARC/PR/09_1 Issue date 01/07/2015	10 to 1000 µg/kg
		Phorate	SOP/MAARC/PR/09_2 Issue date 01/07/2015	10 to 1000 µg/kg
		Simazine	SOP/MAARC/PR/09_2 Issue date 01/07/2015	10 to 1000 µg/kg
		DDT(o,p & p,p isomers of DDT,DDE & DDD)	SOP/MAARC/SUGAR/SUGAR SYRUP/PR Issue date 02/04/2012	0.1 to 100 µg/kg
		Alpha,beta & delta HCH		
		Lindane (gamma HCH)		
		Endosulfan (alpha,beta & sulfate)		
		Chlorpyrifos		
		Dichlorvos		
		Ethion		
		Monocrotophos		
		Metribuzin		
		Malathion		

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 15 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Malaxon	SOP/MAARC/SUGAR/SUGAR SYRUP/PR Issue date 02/04/2012	0.1 to 100 µg/kg
		Methyl parathion		
		Methyl paraxon		
		Aldicarb		
		Carbofuran		
		Butachlor		
		Isoproturon		
		Aldrin		
		Dieldrin		
		Atrazine		
		Simazine		
		Imidacloprid		
		Propiconazole		
		Quinalphos		
		Alachlor		
		2,4-D		
		Azinphos methyl		
		Ethoprophos	SOP/MAARC/SUGAR/SUGAR SYRUP/PR Issue date 02/04/2012	0.1 to 100 µg/kg
		Cypermethrin		
		Oxamyl		
		Phorate (sum of phorate+phorate sulfoxide+phorate sulfone)		
4.	**Milk and Dairy Product**	**Trace Metals Elements**		
		Zinc	SOP / MAARC / HMM / AAS Issue date 03/08/2015 FSSAI Lab manual S.No.3.0 (Metals) (2016)	1 to 10 mg/kg
		Arsenic	SOP / MAARC/ As / Milk, Issue date 01/07/2011 FSSAI Lab manual S.No.7.2 (Metals) (2016)	0.04 to 5 mg/kg

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 **Last Amended on** 26.12.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Cadmium	SOP/MAARC/HMM/AAS, Issue date 03/08/2015 FSSAI Lab manual S.No.3.0 (Metals) (2016)	0.5 to 5 mg/kg
		Copper	SOP/MAARC/HMM/AAS, Issue date 03/08/2015 FSSAI Lab manual S.No.3.0 (Metals) (2016)	1 to 10 mg/kg
		Lead	SOP/MAARC/HMM/AAS, Issue date 03/08/2015 FSSAI Lab manual S.No.3.0 (Metals) (2016)	1 to 10 mg/kg
		Mercury	AOAC official method 971.21, 19th ed. FSSAI Lab manual S.No.3.0 (Metals) (2016)	0.5 to 5 mg/kg
		Chromium	SOP/MAARC/HMM/AAS, Issue date 03/08/2015	0.5 to 250 mg/kg
		Tin	SOP/MAARC/HMM/AAS, Issue date 03/08/2015 FSSAI Lab manual S.No.8.1 (Metals) (2016)	50 to 500 mg/kg
		Pesticides	SOP/MAARC/PR/MILK/01 issue date 01/02/2015 Based on AOAC 970.52 18th Edition & AOAC 2015.03	10 to 10000 µg/kg
		Aldrin		
		Dieldrin		
		Chlordane Cis		
		Chlordane Trans		
		o,p DDT		
		p,p DDT		
		o,p DDD		
		p,p DDD		
		o,p DDE		
		p,p DDE		
		Monocrotophos		

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 Last Amended on 26.12.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Paraquat dichloride		
		2-4D		20 to 10000 µg/kg
		Trichlorfon	SOP/MAARC/PR/MILK/01 issue date 01/02/2015 Based on AOAC 970.52 18th Edition & AOAC 2015.03	10 to 10000 µg/kg
		Carbendazim		
		Carbofuran & 3 hydroxy carbofuran		
		Cypermethrin		
		Edifenphos		
		Fenthion and its sulfone and oxygen analogues		
		Fenvelerate		
		Phenthoate		
		Pirimiphos-methyl		
		HCH Alpha,		
		HCH Beta		
		HCH Gamma		
		HCH Delta		
		Benomyl		50 to 10000 µg/kg
		Heptachlor & its epoxides	SOP/MAARC/PR/MILK/01 issue date 01/02/2015 Based on AOAC 970.52 18th Edition & AOAC 2015.03	10 to 10000 µg/kg
		Lindane		
		Chlorfenvinphos		
		Chlorpyriphos		
		Ethion		
		Fenitrothion		
		Phorate		
5.	**Fruit & Vegetable (Grapes, Pomgranate,)**	**Organochlorine (OC)**	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Aldrin (expressed as Dieldrin)		
		Chlordane (cis& trans)		
		Chlorothalonil		
		DDT (all isomers, sum of p,p´-DDT, o,p´-DDT, p-p´-DDE and p,p´-TDE (DDD) expressed as DDT)	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 Last Amended on 26.12.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Dicofol (sum of p, p´ and o,p´ isomers)		
		Dieldrin (see Aldrin)		
		Endosulphan (All isomers, sum of *alpha*-and *beta*-isomers and endosulphan sulphate expressed as endosulphan)	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Endrin		
		HCH (sum of isomers, except the *gamma* isomer)	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)		
		Lindane (*gamma*-HCH)		
		Organophosphorus (OP)	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		4-bromo-2-chlorophenol (metabolite of Profenophos)		
		Acephate		
		Chlorpyriphos methyl &chlorpyriphos		
		Chlorfenvinphos	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Cyantraniliprole		
		Diazinon		
		Dichlorvos		
		Dimethoate (Including Omethoate)	SOP/MAARC/PR/01,issue date 01/02/2015 (Based on AOAC 2007.01 19th Edition)	10 to 10000 µg/kg
		Edifenphos		
		Ethion		
		Etrimphos		

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 19 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Fenitrothion	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Fenthion (fenthion and its oxigen analogue, their sulfoxides and sulfone expressed as parent)		
		Iprobenphos		
		Malathion (sum of malathion and malaoxon expressed as malathion)	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Methamidophos		
		Monocrotophos		
		Omethoate (refer to Dimethoate)		
		Oxydemeton methyl (sum of oxydemeton methyl and demeton-S-methylsulfone expressed as oxydemeton methyl)	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Parathion ethyl	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Parathion methyl (sum of Parathion methyl and paraoxon methyl expressed as Parathion methyl)		
		Phenthoate	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate)		
		Phosalone		
		Phosphamidon	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Pirimiphos-methyl		
		Profenophos		
		Propetamphos		

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 **Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Quinalphos		
		Temephos		
		Thiometon		
		Triazophos		
		SyntheticPyrethroids(SP)	SOP/MAARC/PR/01,issue date 01/02/2015 (Based on AOAC 2007.01 19th Edition)	10 to 10000 µg/kg
		Cyfluthrin (including other mixtures of constituent isomers sum of isomers)		
		Cypermethrin (including other mixtures of constituent isomers sum of isomers)	SOP/MAARC/PR/01,issue date 01/02/2015 Based on (AOAC 2007.01 19th Edition)	10 to 10000 µg/kg
		Deltamethrin		
		Ethofenprox (Etofenprox)		
		Fenpropathrin		
		Fenvalerate&Esfenvalerate (sum of RR & SS, Rs and SR isomers)	SOP/MAARC/PR/01,issue date 01/02/2015 Based on (AOAC 2007.01 19th Edition)	10 to 10000 µg/kg
		Lambda-cyhalothrin		
		Permethrin (sum of isomers)		
		tau-Fluvalinate		
		Transfluthrin		
		Triazines	SOP/MAARC/PR/01,issue date 01/02/2015 (Based on AOAC 2007.01 19th Edition)	10 to 10000 µg/kg
		Atrazine		
		Flufenzine		
		Simazine		
		Acrylamino acid fungicides	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Benalaxyl including other mixtures of constituent isomers including Benalaxyl-M (sum of isomers)		

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 **Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Metalaxyl&Metalaxyl-M		
		Oxycarboxin		
		Propanil		
		Carbamates	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Bendiocarb		
		Benfuracarb		
		Benomyl (see carbendazim)		
		Carbaryl		
		Carbofuran (sum of carbofuran and 3-hydroxy-carbofuran expressed as carbofuran)		02 to 10000 µg/kg
		Carbosulfan		10 to 10000 µg/kg
		Dazomet (Methylisothiocyanate resulting from the use of dazomet and metam)	SOP/MAARC/PR/01,issue date 01/02/2015 AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Fenobucarb	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Indoxacarb (sum of R and S isomers)		
		Iprovalicarb		
		Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methomyl)	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Oxamyl		
		Propoxur		
		Propamocarb (sum of propamocarb and its salt expressed as propamocarb)	SOP/MAARC/PR/04,issue date 01/02/2015 AOAC 2007.01 19th Edition	10 to 10000 µg/kg

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 22 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Thiobencarb (Benthiocarb)	SOP/MAARC/PR/01,issue date 01/02/2015 (Based on AOAC 2007.01 19th Edition)	10 to 10000 µg/kg
		Pyrimidines	SOP/MAARC/PR/01,issue date 01/02/2015 (Based on AOAC 2007.01 19th Edition)	10 to 10000 µg/kg
		Fenarimol		
		Triazoles	SOP/MAARC/PR/01,issue date 01/02/2015 (Based on AOAC 2007.01 19th Edition)	10 to 10000 µg/kg
		Cyazofamid		
		Bitertanol		
		Difenoconazole		
		Flusilazole		
		Hexaconazole		
		Myclobutanil	SOP/MAARC/PR/01,issue date 01/02/2015 (Based on AOAC 2007.01 19th Edition)	10 to 10000 µg/kg
		Paclobutrazol		
		Penconazole		
		Propiconazole		
		Tebuconazole		
		tetraconazole		
		Triadimefon (sum of triadimefon and triadimenol)		
		ametoctradin		
		Imidazole	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	
		Fenamidone		10 to 10000 µg/kg
		Iprodione		10 to 10000 µg/kg
		Oxazole	SOP/MAARC/PR/04,issue date 01/02/2015 AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Famoxadone		
		Phthalimide	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Captafol		
		Captan		

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 **Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Benzimidazole	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Thiophanate-methyl	SOP/MAARC/PR/04,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Nicotinoids	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Acetamiprid		
		Clothianidin (see thiamethoxam)		
		Imidacloprid		
		Thiacloprid		
		Thiamethoxam (sum of thiamethoxam and clothianidin expressed as thiamethoxam)	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Dinotefuran		
		Flonicamid (sum of flonicamid, TNFG andTNFA)		
		Morpholine	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Dimethomorph		
		Tridemorph	SOP/MAARC/PR/04,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Substituted Thiourea	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Difenthiuron		

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 **Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Diuron (Diuron including all components containing 3,4-dichloroaniline moiety expressed as 3,4-dichloroaniline)	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Iodosulfuron-methyl (iodosulfuron-methyl including salts, expressed as iodosulfuron-methyl)	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Isoproturon		
		Linuron		
		pencycuron		
		lufenuuron		
		Benzoylphenyl Urea	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Flufenoxuron		
		Strobilurin	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Azoxystrobin		
		Kresoxim methyl		
		Pyraclostrobin		
		Trifloxystrobin		
		Phenyl Pyrazole	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	5 to 10000 µg/kg
		Fipronil (sum of fipronil + sulfone metabolite (MB46136) expressed as fipronil)		
		Chlorantraniliprole		
		Pyrazole	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Fenpyroximate		

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 **Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Nitrophenyl ether	AOAC 2007.01 19th Edition(SOP/MAARC/PR/01) ,issue date 01/02/2015	10 to 10000 µg/kg
		Dinitroaniline		10 to 10000 µg/kg
		Pendimethalin	AOAC 2007.01 19th Edition (SOP/MAARC/PR/04),issue date 01/02/2015	10 to 10000 µg/kg
		Trifluralin	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Anilide/acetanilide and chloroacetanilide	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Alachlor		
		Butachlor		
		Carboxin		
		Flufenacet (sum of all compounds containing the N fluorophenyl-N-isopropyl moiety expressed as flufenacet equivalent)		
		Metolachlor (with S-Metolachlor)		
		Novaluron		
		Miscellaneous	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Abamectin (sum of avermectin B1a, avermectinB1b and delta-8,9 isomer of avermectin B1a)		
		Bifenazate	AOAC 2007.01 19th Edition (SOP/MAARC/PR/04),issue date 01/02/2015	10 to 10000 µg/kg

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 26 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Buprofezin	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Diflubenzuron		
		Dithianon		
		Dodine	AOAC 2007.01 19th Edition (SOP/MAARC/PR/04),issue date 01/02/2015	10 to 10000 µg/kg
		Emamectin Benzoate	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Fenazaquin		
		Flubendiamide		
		Hexythiazox		
		Isoprothiolane	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Mandipropamid		
		Metribuzin		
		Milbemectin (sum of MA4+8,9Z-MA4, expressed as milbemectin)	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	20 to 10000 µg/kg
		Oxadiazon		10 to 10000 µg/kg
		Propargite		
		Pyriproxyfen	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		pyridaben		
		Spinosad (Sum of Spinosyn A+D)		
		Spiromesifen	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	
		Spirodiclofen	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Trichlorfon		
		Tricyclazole		
		Cymoxanil		

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 27 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Fluopyram		
		Fluxapyroxad		
		Metrafenone		
		Fluopicolide		
		Nerestoxin	SOP/MAARC/PR/04,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Thiocyclam		
		Etoxazole	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	
		Cyflumetofen		
		Ethiprole		
		Tolfenpyrad		
		chlorfluazuron		
		Picoxystrobin		
		spinetoram		
		2-Bromo-2-nitropropane-1,3-diol Bronopol	SOP/MAARC/PR/01,issue date 01/02/2015 Based on AOAC 2007.01 19th Edition	10 to 10000 µg/kg
		Streptomycin	AOAC 2007.01 19th Edition (SOP/MAARC/PR/08), issue date 01/01/2017	
		Tetracycline		
6.	**Grapes & Pomegranate**	**Dithiocarbamates** (Mancozeb, Maneb, Propineb, Metiram, Thiram, Zineb and Ziram collectively estimated as CS_2)	(SOP/MAARC/PR/02),issue date 01/02/2015	10 to 10000 µg/kg
		Dinocap (sum of dinocap isomers and their corresponding phenols expressed as dinocap)	AOAC 2007.01 19th Edition (SOP/MAARC/PR/03),issue date 01/02/2015	10 to 10000 µg/kg
		Meptyldinocap		

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 28 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Plant Growth Regulators	AOAC 2007.01 19th Edition (SOP/MAARC/PR/04),issue date 01/02/2015	
		Gibberellic acid		10 to 10000 µg/kg
		1-Naphthylacetamide and 1-Naphthylacetic acid (sum of 1-Naphthylacetamide and 1-Naphthylacetic acid and its salts expressed as 1 napthyl acetic acid)		20 to 10000 µg/kg
		2,4-D (sum of 2,4-D and its esters expressed as 2,4-D)		10 to 10000 µg/kg
		6-Benzyl adenine		10 to 10000 µg/kg
		Mepiquat Chloride		10 to 10000 µg/kg
		Ethephon		10 to 10000 µg/kg
		Paraquat		10 to 10000 µg/kg
		Diquat		10 to 10000 µg/kg
		Chlormequat Chloride (CCC)		10 to 10000 µg/kg
		Homobrassinolide		10 to 10000 µg/kg
		Fosetyl-Al (sum fosetyl + phosphorous acid and their salts, expressed as fosetyl)		10 to 10000 µg/kg
		Uracil		50 to 10000 µg/kg
		Azadirachtin		50 to 10000 µg/kg
		Forchlorfenuron (CPPU)		10 to 10000 µg/kg
		4 – CPA (4 Chlorophenoxy acetic acid)		10 to 10000 µg/kg
		Inorganic compound	AOAC 2007.01 19th Edition (SOP/MAARC/PR/05),issue date 01/02/2015	500 to 10000 µg/kg
		Sulphur		

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 29 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Hydrogen cyanamide (Cyanamide including salts expressed as cyanamide)	AOAC 2007.01 19th Edition (SOP/MAARC/PR/06),issue date 01/02/2015	10 to 10000 µg/kg
		Polar Compounds	AOAC 2007.01 19th Edition (SOP/MAARC/PR/07),issue date 01/02/2015	50 to 10000 µg/kg
		Glufosinate-ammonium (sum of glufosinate, its salts, MPP and NAG expressed as glufosinate equivalents) Glyphosate		
		Heavy Metals	AOAC 973.34 19th Edition (SOP/MAARC/HM/APEDA),issue date 01/02/2015	20 to 10000 µg/kg
		Cadmium		
		Lead	AOAC 972.25 19th Edition (SOP/MAARC/ HM/APEDA),issue date 01/02/2015	50 to 10000 µg/kg
7.	**Fruit crush, Fruit squash Jam Ketchup**	Aldrin (expressed as Dieldrin)	AOAC 2007.01 19th Edition (SOP/MAARC/PR/01)	10 to 10000 µg/kg
		Chlordane (cis& trans)		10 to 10000 µg/kg
		DDT (all isomers, sum of p,p´-DDT, o,p´-DDT, p-p´-DDE and p,p´-TDE (DDD) expressed as DDT)		10 to 10000 µg/kg
		Dicofol (sum of p, p´ and o,p´ isomers)		10 to 10000 µg/kg
		Endosulphan (All isomers, sum of *alpha*- and *beta*-isomers and endosulphan sulphate expressed as endosulphan)		10 to 10000 µg/kg
		HCH (sum of isomers, except the *gamma* isomer)		10 to 10000 µg/kg

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 **Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Lindane (*gamma*-HCH)		10 to 10000 µg/kg
		Chlorpyriphos methyl &chlorpyriphos		10 to 10000 µg/kg
		Dichlorvos		10 to 10000 µg/g
		Dimethoate (Including Omethoate)		10 to 10000 µg/kg
		Ethion		10 to 10000 µg/kg
		Fenitrothion		10 to 10000 µg/kg
		Malathion (sum of malathion and malaoxon expressed as malathion)		10 to 10000 µg/kg
		Monocrotophos	AOAC 2007.01 19th Edition (SOP/MAARC/PR/01)	10 to 10000 µg/kg
		Parathion methyl (sum of Parathion methyl and paraoxon methyl expressed as Parathion methyl)		10 to 10000 µg/kg
		Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate)		10 to 10000 µg/kg
		Phosalone		10 to 10000 µg/kg
		Phosphamidon		10 to 10000 µg/kg
		Thiometon		10 to 10000 µg/kg
		Benomyl (see carbendazim)		10 to 10000 µg/kg
		Carbendazim (Including Benomyl)		10 to 10000 µg/kg
		Trichlorfon		10 to 10000 µg/kg
		Dithiocarbamates (Mancozeb, Maneb, Propineb, Metiram, Thiram, Zineb and Ziram collectively estimated as CS_2)	AOAC 2007.01 19th Edition (SOP/MAARC/PR/02)	50 to 10000 µg/kg

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 **Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		2,4-D (sum of 2,4-D & its esters expressed as 2,4-D)	AOAC 2007.01 19th Edition (SOP/MAARC/PR/04)	10 to 10000 µg/kg
		Formathion	AOAC 2007.01 19th Edition (SOP/MAARC/PR/01)	10 to 10000 µg/kg
		Pyrethrins		10 to 10000 µg/kg
		Paraquat Dichloride	AOAC 2007.01 19th Edition (SOP/MAARC/PR/04)	10 to 10000 µg/kg
		Chlorbenzelate	AOAC 2007.01 19th Edition (SOP/MAARC/PR/01)	10 to 10000 µg/kg
8.	**Almond**	Chlorbenzilate	AOAC 2007.01 19th Edition (SOP/MAARC/PR/01)	10 to 10000 µg/kg
IV.	**PESTICIDE RESIDUES IN WATER**			
1.	**Drinking Water, Packaged Drinking Water, Packaged Natural Mineral Water, Water for Food Processing Industries and Raw Water**	**Trace Metals Elements**		
		Barium (as Ba)	Annex F of IS 13428:2005 Reaffirmed 2009/ IS 15302:2003 / APHA 3113B 22nd edition	0.5 to 5.0 mg/L
		Copper (as Cu)	IS 3025 (Part 42):1992-Cl. 6 Reaffirmed 2009	0.04 to 5 mg/L
		Iron (as Fe)	IS 3025 (Part 53):2003-Cl. 7 Reaffirmed 2009	0.05 to 10 mg/L
		Manganese (as Mn)	IS 3025 (Part 59):2006	0.05 to 10 mg/L
		Zinc (as Zn)	IS 3025 (Part 49):1994-Cl. 6 Reaffirmed 2009	0.2 to 10 mg/L
		Silver (as Ag)	Annex J of IS 13428:2005 Reaffirmed 2009	0.005 to 2 mg/L
		Aluminium (as Al)	IS 3025 (Part 55):2003-Cl. 5 Reaffirmed 2009 / IS 15302:2003	0.02 to 5 mg/L
		Selenium (as Se)	IS 3025 (Part 56):2003-Cl. 6 Reaffirmed 2009	0.005 to 0.5 mg/L
		Antimony (as Sb)	Annex G of IS 13428:2005 Reaffirmed 2009 / IS 15303:2003	0.002 to 0.5 mg/L

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 32 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Borate (as B)	Annex H of IS 13428:2005 Reaffirmed 2009 / IS 3025 (Part 57):2005	0.05 to 10 mg/L
		Mercury (as Hg)	IS 3025 (Part 48):1994-Cl. 5 Reaffirmed 2009	0.0005 to 0.1 mg/L
		Cadmium (as Cd)	IS 3025 (Part 41):1992-Cl. 5 Reaffirmed 2009	0.002 to 0.5 mg/L
		Arsenic (as As)	IS 3025 (Part 37):1988-Cl. 3/2 Reaffirmed 2009	0.005 to 1 mg/L
		Cyanide (as CN)	IS 3025 (Part 27):1986-Cl. 2 Reaffirmed 2009	0.005 to 0.1 mg/L/ Absent
		Lead (as Pb)	IS 3025 (Part 47):1994-Cl. 7 Reaffirmed 2009	0.005 to 1 mg/L
		Chromium (as Cr)	IS 3025 (Part 52):2003-Cl. 7 Reaffirmed 2009 / Annex J of IS 13428 Reaffirmed 2009	0.04 to 5 mg/L
		Nickel (as Ni)	Annex L of IS 13428:2005 Reaffirmed 2009/IS 3025 (Part 54)	0.01 to 5 mg/L
		Molybdenum (as Mo)	APHA 3113B 22nd edition	0.05 to 1 mg/L
		Pesticide residue		
		2,4 'D	USEPA 555:1962	0.1 to 100 µg/L
		2,4'DDT	USEPA 525.2:1995	0.1 to 100 µg/L
		4,4'DDT	USEPA 525.2:1995	0.1 to 100 µg/L
		2,4'DDD	USEPA 525.2:1995	0.1 to 100 µg/L
		4,4'DDD	USEPA 525.2:1995	0.1 to 100 µg/L
		Butaclor	USEPA 525.2:1995	0.1 to 100 µg/L
		2,4'DDE	USEPA 525.2:1995	0.1 to 100 µg/L
		4,4'DDE	USEPA 525.2:1995	0.1 to 100 µg/L
		α-HCH	USEPA 525.2:1995	0.01 to 100 µg/L
		β-HCH	USEPA 525.2:1995	0.04 to 100 µg/L
		δ-HCH	USEPA 525.2:1995	0.04 to 100 µg/L
		γ-HCH	USEPA 525.2:1995	0.1 to 100 µg/L

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-6673 *(in lieu of T-0642 & T-1338)*

Validity 29.11.2017 to 28.11.2019 Last Amended on 26.12.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Alchlor	USEPA 525.2:1995	0.1 to 100 µg/L
		Aldrin	USEPA 525.2:1995	0.03 to 100 µg/L
		Atrazine	USEPA 525.2:1995	0.1 to 100 µg/L
		Dieldrin	USEPA 525.2:1995	0.03 to 100 µg/L
		Endosulfan I	USEPA 525.2:1995	0.1 to 100 µg/L
		Endosulfan II	USEPA 525.2:1995	0.1 to 100 µg/L
		Endosulfan Sulfate	USEPA 525.2:1995	0.1 to 100 µg/L
		Isoproturon	USEPA 532:2000	0.1 to 100 µg/L
		Malathion	USEPA 525.2:1995	0.1 to 100 µg/L
		Malaxon	USEPA 525.2:1995	0.1 to 100 µg/L
		Methyl Parathion	USEPA 525.2:1995	0.1 to 100 µg/L
		Methyl Paraxon	USEPA 525.2:1995	0.1 to 100 µg/L
		Monocrotophos	USEPA 525.2:1995	0.1 to 100 µg/L
		Ethion	USEPA 525.2:1995	0.1 to 100 µg/L
		Chlorpyrifos	USEPA 525.2:1995	0.1 to 100 µg/L
		Phorate	USEPA 525.2:1995	0.1 to 100 µg/L
		Phorate Sulfone	USEPA 525.2:1995	0.1 to 100 µg/L
		Phorate Sulfoxide	USEPA 532:2000	0.1 to 100 µg/L
		PCB	USEPA 525.2:1995	Present/Absent
		PAH	USEPA 525.2:1995	Present/Absent
		Trihalomethanes Bromoform,	APHA 22nd edition 6232/EPA 551.1	0.05 to 0.5 mg/L
		Dibromochloromethane,		
		Bromodichloromethane,		
		Chloroform		

Ashok Kumar
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**MAARC Labs Pvt. Ltd., Plot No. 1 & 2, Gat No. 27, Nanded Phata, Sinhgad Road, Pune, Maharashtra**	
Accreditation Standard	**ISO/IEC 17025:2005**	
Certificate Number	**TC-6673** *(in lieu of T-0642 & T-1338)*	**Page 34 of 34**
Validity	**29.11.2017 to 28.11.2019**	**Last Amended on 26.12.2017**

MECHANICAL TESTING

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	**PLASTIC & PLASTIC PRODUCTS**			
1.	**Plastic bottles or Container and Caps for Packaged Drinking water and Packaged mineral Water.**	Finish & Appearance	IS 15410:2003, RA 2013	Qualitative
		Dimension a. Height	IS 2798:2009, Cl. 4 RA 2013	10 cmto 60 cm
		b. Diameter/breadth		1 cm to 30 cm
		c. Length		1 cm to 30 cm
		Capacity/ Brimful capacity	IS 2798:2009, Cl. 5 RA 2013	100 ml to 25000 ml
		Wall Thickness	IS 2798:2009, Cl. 4.5 RA 2013	0.01 mm to 2.0 mm
		Transparency	IS 15410:2003, Annex A RA 2013	85% to 100%
		Leakage test a. Closure leakage b. Vibration leakage c. Air pressure leakage	IS 2798:2009, Cl.6 RA 2013	Qualitative
		Drop test	IS 2798:2009, Cl.8 RA 2013	Qualitative
		Migration test	IS 9845:1998 RA 2015	0.1 to 10 mg/dm^2 & above for Caps and Jar.
				0.1 to 10 mg/L & above for bottes.
		Water Portability Test	Annex B of IS 15410:2003 RA 2013	Qualitative

Ashok Kumar
Convenor

N. Venkateswaran
Program Director