



**National Accreditation Board for
Testing and Calibration Laboratories**
(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

QUALISURE LABORATORY SERVICES

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

361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata, West Bengal

in the field of

TESTING

Certificate Number TC-6271

Issue Date 18/09/2017

Valid Until 17/09/2019

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



8907697010003000275

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 Qualissure Laboratory Services, 361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata, West Bengal

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6271 **Page 1 of 12**

Validity 18.09.2017 to 17.09.2019 **Last Amended on** 27.09.2017

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

CHEMICAL TESTING

AT LABORATORY			
I.	ATMOSPHERIC POLLUTION		
1.	Ambient Air Quality/ Fugitive Emission Monitoring	Suspended Particulate Matter	IS 5182 (Part 4): 1999 (RA 2014) 10 µg/m ³ to 2000 µg/m ³
		PM ₁₀ /RPM	IS 5182 (Part 23): 2012 5 µg/m ³ to 1000 µg/m ³
		PM _{2.5}	TPM/QLS/E/AA/PM2.5 , Issue No.01, Issue Date: 01.09.2015 based on US EPA CFR 40, Part 50 Appendix L, 2006/CPCB Vol.I 4 µg/m ³ to 200 µg/m ³
		Sulphur Dioxide	IS 5182 (Part 2): 2001 (RA 2012) 4 µg/m ³ to 200 µg/m ³
		Oxides of Nitrogen	IS 5182 (Part 6 :2012 6 µg/m ³ to 750 µg/m ³
		Ozone	IS 5182 (Part 9): 2014 19.62 µg/m ³ to 19620 µg/m ³
		Ammonia	SOP No. TPM/ QLS/E/ AA/ NH ₃ , Issue No. 01, Issue Date : 01.09.2015 10 µg/m ³ to 700 µg/m ³
2.	Stack Emission Monitoring	Flow Rate	USEPA (Part 2) 25/09/1996 78 m ³ /Hr to 1000000 m ³ /Hr IS 11255 (Part III) (RA 2008)
		Oxygen	IS 13270:1992 (RA 2014) 0.2 % to 100 %
		Carbon Dioxide	IS 13270:1992 (RA 2014) 0.2 % to 100 %
		Carbon Monoxide	IS 13270:1992 (RA2014) 0.2 % to 20 %
		Particulate Matter	USEPA (Part 5) 16/08/1996 5 mg/m ³ to 1000 mg/m ³ IS 11255 (Part I) (RA 2014)
		Sulphur Dioxide	USEPA (Part 6) 25/09/1996 3.4 mg/m ³ to 80000 mg/m ³ IS 11255 (Part II): 1985 (RA 2014)

Anuja Anand
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 Qualissure Laboratory Services, 361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata, West Bengal

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6271 **Page 2 of 12**

Validity 18.09.2017 to 17.09.2019 **Last Amended on** 27.09.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Oxides of Nitrogen	USEPA Part 7, Issue dt. 12/03/1996 IS 11255 (Part 7) (RA 2012)	6 mg/m ³ to 600 mg/m ³
		Moisture Content	USEPA (Part 4) 25/09/1995	2 % to 20 %
		Temperature	USEPA (Part 2) 25/09/1996	1 °C to 1200 °C
		Velocity	USEPA (Part 2) 25/09/1996	3 m/s to 30 m/s
II. POLLUTION & ENVIRONMENT				
1.	Waste Water (Sewage/Effluent) Raw Water	pH Value	APHA 22nd Edition-2012, 4500-H+ B / IS 3025 (Part 11): 1984 (RA 2012)	2 to 12
		Total Suspended Solid Dried at 103-105°C	APHA 22nd Edition-2012, 2540D/ IS 3025 (Part 17): 1984 (RA 2012)	2.5 mg/l to 1000 mg/l
		Total Dissolved Solid Dried at 180°C	APHA 22 nd Edition-2012, 2540C / IS 3025 (Part 16): 1984 (RA 2012)	2.0 mg/l to 2000 mg/l
		Temperature	IS 3025 (Part 9): 1984 (RA 2006)	1 °C to 50 °C
		Conductivity	APHA 22nd Edition-2012, 2510B / IS 3025 (Part 14): 1984 (RA 2013)	1 mS/cm to 3000 mS/cm
		Turbidity	APHA 22nd Edition-2012, 2130B / IS 3025 (Part 10): 1984 (RA 2012)	1 NTU to 400 NTU
		Oxygen(Dissolved)	APHA 22 nd Edition-2012, 4500-O-C	1 mg/l to 12 mg/l
		Biochemical Oxygen Demand (BOD)	IS 3025 (Part 44): 1993 (RA 2014)	2 mg/l to 400 mg/l
		Chemical Oxygen Demand (COD)	APHA 22nd Edition-2012, 5220B	4 mg/l to 750 mg/l
		Oil and Grease	APHA 22nd Edition-2012, 5520B/ IS 3025 (Part 39) (RA 2014)	1.4 mg/l to 50 mg/l

Anuja
Anuja Ahand
Convenor

lakshmi
N. Venkateswaran
Program Director



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Qualissure Laboratory Services, 361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata, West Bengal

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6271 **Page** 3 of 12

Validity 18.09.2017 to 17.09.2019 **Last Amended on** 27.09.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Hardness	APHA 22nd Edition-2012, 2340 C / IS 3025 (Part 21)-1983, RA: 2014; (EDTA Method)	2 mg/l to 1000 mg/l
		Calcium	APHA 22nd Edition-2012, 3500 Ca B / IS 3025 (Part 40): 1991 (RA 2014)	0.4 mg/l to 400 mg/l
		Magnesium	APHA 22nd Edition-2012, 3500 Mg B / IS 3025 (Part 46): 1994 (RA 2014)	0.24 mg/l to 240 mg/l
		Alkalinity	APHA 22 nd Edition-2012, 2320B / IS 3025 (Part 23): 1986 (RA 2014)	2 mg/l to 1000 mg/l
		Nitrogen (Ammonia)	APHA 22 nd Edition-2012, 4500NH ₃ – F / IS 3025 (Part 34): 1988 (RA 2014)	0.05 mg/l to 10 mg/l
		Total Kjeldahl Nitrogen	APHA 22 nd Edition-2012, 4500 N _{org} – B / IS 3025 (Part 34): 1988 (RA 2014)	0.05 mg/l to 10 mg/l
		Nitrogen (Nitrate)	APHA 22nd Edition-2012 4500NO ₃ ⁻ E / IS 3025 (Part 34): 1986 (RA 2014)	0.5 mg/l to 50 mg/l
		Phosphate as PO ₄	APHA 22nd Edition-2012, 4500P-D	0.15 mg/l to 5 mg/l
		Sulphate	IS 3025 (Part 24): 1986 (RA 2014)	4 mg/l to 400 mg/l
			APHA 22nd Edition-2012, 4500 SO ₄ ²⁻ E	1 mg/l to 400 mg/l
		Sulphide	APHA 22 nd Edition-2012, 4500 S ²⁻ D / IS 3025 (Part 29): 1986 (RA 2014)	0.1 mg/l to 1 mg/l
		Chloride	APHA 22 nd Edition-2012, 4500Cl B / IS 3025 (Part 32): 1988 (RA 2014)	1 mg/l to 5000 mg/l

Anuja Anand
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	Qualissure Laboratory Services, 361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata, West Bengal
Accreditation Standard	ISO/IEC 17025: 2005
Certificate Number	TC-6271
Validity	18.09.2017 to 17.09.2019

Page 4 of 12

Last Amended on 27.09.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Silica	APHA 22 nd Edition-2012, 4500 SiO ₂ C / IS 3025 (Part 35): 1988 (RA 2014)	0.1 mg/l to 1 mg/l & 1 mg/l to 25 mg/l
		Iron	APHA 22 nd Edition-2012, 3500 Fe B / IS 3025 (Part 53): 1988 (RA 2014)	0.05 mg/l to 10 mg/l
		Sodium	IS 3025 (Part 45): 1993 (RA 2014) / APHA 22 nd Edition - 2012, 3500 Na B	0.1 mg/l to 50 mg/l
		Percent Sodium (By Calculation)	IS 2488 (Part 5): 1976 (RA 2014)	5 to 65
		Potassium	IS 3025 (Part 45): 1993 (RA 2014) / APHA 22 nd Edition-2012, 3500 K B	0.1 mg/l to 50 mg/l
		Hexavalent Chromium as Cr ⁺⁶	APHA 22nd Edition-2012, 3500 Cr B/ IS 3025 (Part 52): 2014	0.05 mg/l to 5 mg/l
		Phenolic Compounds as C ₆ H ₅ OH	APHA 22 nd Edition -2012, 5530C , IS 3025 (Part 43): 1992 (RA 2014)	0.05 mg/l to 5 mg/l
		Boron	APHA 22nd Edition-2012, 4500 B C / IS 13428: 2005, Annex H	0.5 mg/l to 10 mg/l
		Residual free chlorine	IS 3025 (Part 26): 1986 (RA 2014)	0.2 mg/l to 2 mg/l
III.	WATER			
1.	Drinking Water / Surface Water/ Ground Water / Water for Processed Food Industry	Turbidity	APHA 22nd Edition 2012, 2130B / IS 3025 (Part 10): 1984 (RA 2012)	1.0 NTU to 40.0 NTU
		pH at 25 °C	APHA 22nd Edition 2012, 4500-H+ / IS 3025 (Part 11): 1984 (RA 2012)	1.0 to 12.0

Anuja Anand
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	Qualissure Laboratory Services, 361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata, West Bengal		
Accreditation Standard	ISO/IEC 17025: 2005		
Certificate Number	TC-6271	Page 5 of 12	
Validity	18.09.2017 to 17.09.2019		Last Amended on 27.09.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Specific Conductivity	APHA 22nd Edition 2012, 2510B / IS 3025 (Part 14): 2013	1.0 µS/cm to 10000 µS/cm
		Residual Free Chlorine	IS 3025 (Part 26): 1986 (RA 2014)	0.2 mg/l to 50 mg/l
		Iron as Fe	APHA 22nd Edition 2012, 3500Fe – B / IS 3025 (Part 53): 1988 (RA 2014)	0.05 mg/l to 1.0 mg/l
		Chloride as Cl	APHA 22nd Edition 2012, 4500Cl / IS 3025 (Part 32): 1988 (RA 2014)	2.0 mg/l to 500.0 mg/l
		Total Dissolved Solids	APHA 22nd Edition 2012, 2540B / IS 3025 (Part 16): 1984 (RA 2012)	10 mg/l to 2000 mg/l
		Calcium as Ca	APHA 22nd Edition 2012, 3500Ca/ IS 3025 (Part 40): 1991 (RA 2014)	5 mg/l to 200.0 mg/l
		Magnesium as Mg	APHA 22nd Edition 2012, 3500Mg/ IS 3025 (Part 46): 1994 (RA 2014)	0.24 mg/l to 120.0 mg/l
		Total Hardness as CaCO ₃	APHA 21 ST Edition 2012, 2340 C / IS 3025 (Part 21): 2014	2.0 mg/l to 500.0 mg/l
		Boron as B	APHA 22nd Edition 2012, 4500B,C/ IS13428:2005, Annex H	0.5 mg/l to 5.0 mg/l
		Sulphate as SO ₄	IS 3025 (Part 24): 1986 (RA 2014) APHA 22 nd Edition - 2012, 4500 SO ₄ E	4 mg/l to 400 mg/l
		Nitrate as NO ₃	APHA 22nd Edition-2012 4500NO ₃ E / IS 3025 (Part 34): 1986 (RA 2003)	0.5 mg/l to 50 mg/l

Anuja Anand
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	Qualissure Laboratory Services, 361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata, West Bengal
Accreditation Standard	ISO/IEC 17025: 2005
Certificate Number	TC-6271
Validity	18.09.2017 to 17.09.2019

Page 6 of 12

Last Amended on 27.09.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Nitrite as NO ₂	APHA 22nd Edition-2012, 4500 NO ₂ -B / IS 3025 (Part 34): 1986 (RA 2014)	0.01 mg/l to 2.5 mg/l
		Phenolic Compounds as C ₆ H ₅ OH	APHA 22 nd Edition -2012, 5530C , IS 3025 (Part 43): 1992 (RA 2014)	0.05 mg/l to 5 mg/l
		Chromium as Cr ⁺⁶	APHA 22nd Edition-2012, 3500 Cr B/ IS 3025 (Part 52): 2007 IS 13428:2005 (Annex J)	0.05 mg/l to 5 mg/l
		Alkalinity as CaCO ₃	APHA 22nd Edition 2012, 2320B / IS 3025 (Part 23): 1986 (RA 2014)	2.0 mg/l to 500.0 mg/l
		Sodium as Na	APHA 22nd Edition 2012, 3500Na – B / IS 3025 (Part 45): 1993 (RA 2014)	0.1 mg/l to 50 mg/l
		Potassium as K	IS 3025 (Part 45): 1993 (RA 2014) / APHA 22 nd Edition-2012, 3500 K B	0.1 mg/l to 50 mg/l
		Silica as SiO ₂	APHA 22 nd Edition-2012, 4500 SiO ₂ C/ IS 3025 (Part 35): 1988 (RA 2014)	0.1 mg/l to 25 mg/l
		Sulphide as H ₂ S	APHA 22 nd Edition-2012, 4500 S ²⁻ D / IS 3025 (Part 29): 1986 (RA 2014)	0.1 mg/l to 1 mg/l
		Ammonia (as total ammonia- N)	APHA 22 nd Edition- 2012, 4500NH ₃ – F / IS 3025 (Part 34): 1988 (RA 2014)	0.1 mg/l to 10 mg/l

Anuja Anand
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 Qualissure Laboratory Services, 361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata, West Bengal

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6271 **Page** 7 of 12

Validity 18.09.2017 to 17.09.2019 **Last Amended on** 27.09.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
IV. FOOD & AGRICULTURAL PRODUCTS				
1. Milk & Dairy Products				
a.	Milk (Liquid)	Fat	FSSAI Lab Manual 1, Issue dt. : 25-05-16	1.5 % to 6.0 %
		Ash	IS 1479 (Part II): 1961 (RA 2012)	0.5 % to 1 %
		Total solids	IS 1479 (Part II): 1961 (RA 2012)	0.10 % to 60 %
		Protein	IS 7219:1973 (RA 2010)	1.5 % to 3.5 %
		Carbohydrate	IS 1656: 2007, FSSAI Lab Manual-1, Issue dt. : 25-05-16 / Pg 89	1 % to 5 %
		Sodium-bi-carbonate	IS 1479 (Part II): 1961 (RA 2012)	Qualitative
		Adulterants in milk and milk products (Sugar, Starch, Urea, Foreign Fat, Neutralizers, Detergents, Skimmed Milk Powder)	FSSAI Lab Manual 1, Issue dt. : 25-05-16/ Pg.12	Qualitative
b.	Milk Powder & Other dairy Products	Fat	FSSAI Lab Manual 1, Issue dt. : 25-05-16	8 % to 30 %
		Total Solid		30 % to 99.5 %
		Titratable Acidity	IS 1165:2002 (RA 2012) Annex B	0.1 % to 2.0 %
		Moisture	FSSAI Lab Manual 1, Issue dt. : 25-05-16	40 % to 70 %
		Total Ash (on Dry matter basis)		3 % to 8 %
		Acid insoluble Ash		0.01 % to 1 %
		Protein	IS 7219:1973 (RA 2009)	1 % to 25 %

Anuja Anand
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 Qualissure Laboratory Services, 361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata, West Bengal

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6271 **Page** 8 of 12

Validity 18.09.2017 to 17.09.2019 **Last Amended on** 27.09.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
2.	Oils & Fats	Moisture	IS 548 (Part 1): 1964 (RA 2010)	0.05 % to 1 %
		BR Reading at 40 °C	IS 548 (Part 1): 1964 (RA 2011)	34 to 74
		Refractive index	IS 548 (Part 1): 1964 (RA 2011)	1.4450 to 1.4800
		Specific gravity	IS 548 (Part 1): 1964 (RA 2011)	0.860 to 0.968
		Acid Value	IS 548 (Part 1): 1964 (RA 2010)	0.1 to 12
		Free Fatty Acid as oleic acid	IS 548 (Part 1): 1964 (RA 2011)	0.01 % to 6 %
		Iodine Value	IS 548 (Part 1): 1964 (RA 2011)	5 to 200
		Saponification Value	IS 548 (Part 1): 1964 (RA 2011)	100 to 200
		Unsaponifiable matter	IS 548 (Part 1): 1964 (RA 2011)	0.5 % to 6 %
		Peroxide value	IS 548 (Part 1): 1964 (RA 2011)	0.1 % to 1.5 %
		Determination of Phosphorous in Soya Bean Oil	FSSAI Lab Manual 2, Issue dt. 25-05-16 / Pg.78	0.05 % to 0.5 %
		Test for the presence of Argemone oil	IS 548 (Part II): 1976 (RA 2011)	Qualitative
		Bellier Test (presence of ground nut oil)	IS 548 (Part 1): 1964 (RA 2011)	Qualitative
		Test for the presence of Castor oil	IS 548 (Part II): 1976 (RA 2011)	Qualitative
		Test for the presence of Sesame Oil (Baudouin Test)	IS 548 (Part II): 1976 (RA 2011)	Qualitative
		Allyl isothiocyanate	IS 548 (Part 1): 1964 (RA 2010)	Qualitative

Anuja Anand
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 Qualissure Laboratory Services, 361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata, West Bengal

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6271 **Page** 9 of 12

Validity 18.09.2017 to 17.09.2019 **Last Amended on** 27.09.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Test for the presence of Cotton Seed Oil (Halphen's Test)	IS 548 (Part II): 1976 (RA 2011)	Qualitative
		Added Colouring matter (Qualitative)	FSSAI Lab Manual 8, Issue dt. 25-05-16 / Pg. 81	Qualitative
		Test for presence of mineral oil by HOLDE	FSSAI Lab Manual 2, Issue dt. 25-05-16 / Pg. 78	Qualitative
3. Bakery & Confectionary Products / Sugar / Ready to Eat	Moisture	IS 12711: 1989 (RA 2010)	0.5 % to 40 %	
	Total Ash	IS 12711: 1989 (RA 2010)	0.5 % to 10 %	
	Acid Insoluble ash	IS 12711: 1989 (RA 2010)	0.01 % to 5 %	
	Fat	IS 12711: 1989 (RA 2010)	0.5 to 30 %	
	Protein	IS 7219: 1973 (RA 2009)	1 % to 20 %	
	Crude fibre	IS 12711: 1989 (RA 2010)	1 % to 15 %	
	pH of the aqueous extract	IS 12711: 1989 (RA 2010)	2.0 to 13	
	Acidity of extracted fat	IS 12711: 1989, RA 2010	0.1 % to 1.0 %	
4. Tea	Sucrose	IS 4941: 1994, RA 2008	0.1 % to 5 %	
	Total Carbohydrate	IS 1656: 2007, FSSAI Lab Manual-1, Issue dt. : 25-05-16 / Pg 89	2 % to 80 %	
	Added colouring matter (qualitative)	FSSAI Lab Manual 8, Issue dt. 25-05-16 / Pg. 81	Qualitative	
	Total Ash	IS 13854: 1994 (RA 2009)	1.0 % to 10 %	
	Water soluble Ash	IS 13855: 1993 (RA 2009)	10 % to 90 %	
	Acid insoluble Ash	IS 13857: 1993 (RA 2009) ISO1577:1987	0.2 % to 2.0 %	
	Alkalinity of water Soluble ash	IS 13856: 1993 (RA 2009) ISO1578:1975	1.0 % to 10 %	
	Water extract	IS 13862: 1999 (RA 2009) ISO9768:1994	15 % to 80 %	
	Crude fibre	IS 10226 (Part 1): 1982 (RA 2010)	5 % to 30 %	
	Rodent hair & excreta	IS 6261: 1971 (RA 2005)	Qualitative	

Anuja Anand
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 Qualissure Laboratory Services, 361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata, West Bengal

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6271 **Page** 10 of 12

Validity 18.09.2017 to 17.09.2019 **Last Amended on** 27.09.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
5.	Food Grains & Pulses/ Atta & Flour	Content of Iron Particles	IS 3633: 2003 Annex C (RA 2013)	10 mg/kg to 200 mg/kg
		Moisture	FSSAI Lab Manual 4, Issue dt. 25-05-16	1 % to 20 %
		Total Ash		0.5 % to 10 %
		Ash Insoluble in Dilute HCl		0.01 % to 0.5 %
		Fat	IS 4684 :1975 (RA 2000)	0.5 % to 25 %
		Protein	FSSAI Lab Manual 4, Issue dt. 25-05-16	1 % to 25 %
		Carbohydrate	IS 1656: 2007, FSSAI Lab Manual-1, Issue dt. 25-05-16 / Pg 89	5 % to 60 %
		Foreign Matter	IS 4333 (Part I): 2002 (RA 2012)	1 % to 20 %
		Damaged grains	IS 4333 (Part I): 2002 (RA 2012)	1 % to 20 %
		Insect infestation / weeviled grains	IS 4333 (Part I): 2002 (RA 2012)	0.05 % to 20 %
		Test for added colour (Qualitative)	FSSAI Lab Manual 8, Issue dt. 25-05-16 / Pg.81	Qualitative
		Test for mineral oil	IS 548 (Part II): 1976 (RA 2011)	Qualitative
6.	Spices, Condiments & their Products	Moisture	FSSAI Lab Manual 7, Issue dt. 25-05-16	1 % to 20 %
		Total Ash	1 % to 10 %	
		Protein	IS 7219:1973 (RA 2010)	5 % to 25 %
		Non-volatile Ether Extract	FSSAI Lab Manual 7, Issue dt. 25-05-16	1 % to 25 %
		Carbohydrate	IS 1656: 2007, FSSAI Lab Manual-1, Issue dt. 25-05-16	5 % to 70 %
		Water insoluble ash	IS 1797:1985 (RA 2013)	1 % to 10 %
		Ash Insoluble in dilute HCl	FSSAI Lab Manual 7, Issue dt. 25-05-16	0.1 % to 2 %
		Crude fibre		5 % to 20 %

Anuja Anand
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 Qualissure Laboratory Services, 361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata, West Bengal

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6271 Page 11 of 12

Validity 18.09.2017 to 17.09.2019 Last Amended on 27.09.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Salt	IS 1797:1985 (RA 2013)	IS 1797:1985 (RA 2013)	0.1 % to 1 %
	Extraneous matter	IS 1797:1985 (RA 2013)	IS 1797:1985 (RA 2013)	0.1 % to 1 %
	Volatile Oil	FSSAI Lab Manual 7, Issue dt. 25-05-16	FSSAI Lab Manual 7, Issue dt. 25-05-16	0.4 g/100 g to 5.0 g/100 g

Anuja Aranand
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 Qualissure Laboratory Services, 361, Prantick Pally, 45/361, Bose Pukur Road, Kolkata, West Bengal

Accreditation Standard ISO/IEC 17025: 2005

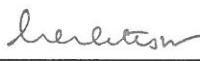
Certificate Number TC-6271 **Page** 12 of 12

Validity 18.09.2017 to 17.09.2019. **Last Amended on** 27.09.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
AT SITE				
I. ATMOSPHERIC POLLUTION				
1.	Ambient Noise (Excluding Vibration)	Noise Levels	IS 9989:1981 (RA 2008)	35 dB(A) to 134 dB(A)
2.	Source Specific (Excluding Vibration)	Noise Levels	TPM/QLS/E/NM/NOISE, Issue No. 01, Issue Date: 01.09.2015 , based on CPCB Guideline	35 dB(A) to 134 dB(A)



Anuja Anand
Convenor



N. Venkateswaran
Program Director