



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



## **CERTIFICATE OF ACCREDITATION**

**ENPRO ENVIRO TECH AND ENGINEERS PVT. LTD., (ENVIRONMENTAL TESTING LABORATORY)**

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

D 29/16, Road No. 17, Gate No. 3, Hojiwala Industrial Estate, Surat, Gujarat

in the field of

**TESTING**

**Certificate Number** TC-5885 (*In lieu of T-1961*)

**Issue Date** 01/06/2017



**Valid Until** 30/05/2019

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](http://www.nabl-india.org))

Signed for and on behalf of NABL

N. Venkateswaran  
Program Director

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** Enpro Enviro Tech and Engineers Pvt. Ltd., (Environmental Testing Laboratory), D 29/16, Road No. 17, Gate No. 3, Hojiwala Industrial Estate, Surat, Gujarat

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-5885 (In lieu of T-1961)

Page 1 of 8

**Validity** 01.06.2017 to 30.05.2019

Last Amended on 30.06.2017

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

### CHEMICAL TESTING

I. WATER				
1.	Surface Water, Ground Water, Drinking Water, Water from Purifiers, Others	pH Value	IS 3025 (Part 11) / APHA (Part 4000, Section : 4500-H <sup>+</sup> ) B	2 to 12
		Total Dissolved Solids	IS 3025 (Part 16) / APHA (23 <sup>rd</sup> Edition) (Part 2000, Section :2540 C)	5 mg/l to 20000 mg/l
		Total Suspended Solids	IS 3025 (Part 17) / APHA (23 <sup>rd</sup> Edition) (Part 2000, Section :2540 D)	5 mg/l to 1500 mg/l
		Sulphates (as SO <sub>4</sub> )	IS 3025 (Part 24) Clause 4 / APHA (Part 4000, Section : 4500-SO <sub>4</sub> <sup>2-</sup> ) E	2 mg/l to 2000 mg/l
		Chlorine Residual (as Cl)	IS 3025 (Part 26) Clause 3 / APHA (Part 4000, Section : 4500-Cl) B	1 mg/l to 100 mg/l
		Sulphide (as S)	IS 3025 (Part 29) Clause 2 / APHA (Part 4000, Section : 4500-S <sup>2-</sup> ) F	1 mg/l to 100 mg/l
		Chloride (as Cl)	IS 3025 (Part 32) Clause 2 / APHA Part 4000, Section : 4500-Cl) B	10 mg/l to 8000 mg/l
		Ammonical Nitrogen (as NH <sub>3</sub> -N)	IS 3025 (Part 34) Clause 2.3 / APHA (Part 4000, Section : 4500-NH <sub>3</sub> ) B,C	0.2 mg/l to 1000 mg/l
		Copper (as Cu)	IS 3025 (Part 42) Clause 5 / APHA (Part 3000, Section : 3500-Cu) B	0.02 mg/l to 100 mg/l
		Total Chromium (as Cr)	IS 3025 (Part 52) Clause 6 / APHA (Part 3000, Section : 3500-Cr) B	0.01 mg/l to 10 mg/l

Vinay Kumar Tyagi  
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** Enpro Enviro Tech and Engineers Pvt. Ltd., (Environmental Testing Laboratory), D 29/16, Road No. 17, Gate No. 3, Hojiwala Industrial Estate, Surat, Gujarat

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-5885 (In lieu of T-1961)

Page 2 of 8

**Validity** 01.06.2017 to 30.05.2019

Last Amended on 30.06.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Hexavalent Chromium (as Cr <sup>6+</sup> )	IS 3025 (Part 52) Clause 6 / APHA (Part 3000, Section : 3500-Cr) B	0.01 mg/l to 10 mg/l
		Iron (as Fe)	IS 3025 (Part 53) Clause 6 / APHA (Part 3000, Section : 3500-Fe) B	0.1 mg/l to 100 mg/l
		Total Hardness (as CaCO <sub>3</sub> )	IS 3025 (Part 21) / APHA (Part 2000, Section : 2340 C)	5 mg/l to 3000 mg/l
		Acidity (as CaCO <sub>3</sub> )	IS 3025 (Part 22) / APHA (Part 2000, Section : 2310 B)	5 mg/l to 1000 mg/l
		Alkalinity (as CaCO <sub>3</sub> )	IS 3025 (Part 23) / APHA (Part 2000, Section : 2320 B)	5 mg/l to 1000 mg/l
		Turbidity	IS 3025 (Part 10) / APHA (Part 2000, Section : 2130 B)	0.2 NTU to 500 NTU
		Sulphite (as SO <sub>3</sub> )	IS 3025 (Part 28) / APHA Part 4000, Section : 4500 SO <sub>3</sub> <sup>-2</sup> B)	0.5 mg/l to 50 mg/l
		Fluoride (as F)	APHA (Part 4000, Section : 4500 F )B,D	0.5 mg/l to 50 mg/l
		Phosphate (as PO <sub>4</sub> )	IS 3025 (Part 31) Clause 4 / APHA (Part 4000, Section : 4500 P )D	0.02 mg/l to 100 mg/l
		Aluminium (as Al)	IS 3025 (Part 55) Clause 5 / APHA (Part 3000, Section : 3500 Al)B	0.03 mg/l to 50 mg/l
		Dissolved Oxygen	IS 3025 (Part 38) Clause 4.1 / APHA (23 <sup>rd</sup> Edition)(Part 4000, Section : 4500 O) B,C,G	0.1 mg/l to 15 mg/l
		Sodium (as Na)	IS 3025 (Part 45) Clause 5 / APHA (Part 3000, Section : 3500 Na) B	0.2 mg/l to 100 mg/l

*Vinay*

Vinay Kumar Tyagi  
Convenor

*N. Venkateswaran*

N. Venkateswaran  
Program Director



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

**Laboratory** Enpro Enviro Tech and Engineers Pvt. Ltd., (Environmental Testing Laboratory), D 29/16, Road No. 17, Gate No. 3, Hojiwala Industrial Estate, Surat, Gujarat

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-5885 (In lieu of T-1961)

Page 3 of 8

**Validity** 01.06.2017 to 30.05.2019

Last Amended on 30.06.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Potassium (as K)	IS 3025 (Part 45) Clause 5 / APHA (Part 3000, Section : 3500 K) B	0.2 mg/l to 100 mg/l
		Calcium (as Ca)	IS 3025 (Part 40) Clause 5 / APHA (Part 3000, Section : 3500 Ca) B & As per Instrument Instruction manual	0.5 mg/l to 2000 mg/l & 0.5 mg/l to 300 mg/l
		Lithium (as Li)	APHA (Part 3000, Section : 3500 Li) B	0.5 mg/l to 50 mg/l
		Total Solids	IS 3025 (Part 15) / APHA (Part 2000, Section : 2540 B)	5 mg/l to 30000 mg/l
		Fixed & Volatile Residue	IS 3025 (Part 18) / APHA Part 2000, Section : 2540E )	5 mg/l to 30000 mg/l
		Magnesium (as Mg)	IS 3025 (Part 46) Clause 6 / APHA (Part 3000, Section : 3500Mg-B)	0.5 mg/l to 2000 mg/l
2.	Irrigation Water	pH Value	IS 3025 (Part 11)/ APHA (Part 4000, Section : 4500-H <sup>+</sup> ) B	2 to 12
		Total Dissolved Solids	IS 3025 (Part 16) / APHA (Part 2000, Section : 2540 C)	5 mg/l to 20000 mg/l
		Sulphates (as SO <sub>4</sub> )	IS 3025 (Part 24) Clause 4 / APHA (Part 4000, Section : 4500-SO <sub>4</sub> <sup>2-</sup> ) E	2 mg/l to 2000 mg/l
		Chloride (as Cl)	IS 3025 (Part 32) Clause 2 / APHA (Part 4000, Section : 4500-Cl) B	10 mg/l to 8000 mg/l
		Ammonical Nitrogen (as NH <sub>3</sub> -N)	IS 3025 (Part 34) Clause 2.3 / APHA (Part 4000, Section : 4500-NH <sub>3</sub> ) B,C	0.2 mg/l to 1000 mg/l

*Vinay*

Vinay Kumar Tyagi  
Convenor

*N. Venkateswaran*

N. Venkateswaran  
Program Director





# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

**Laboratory** Enpro Enviro Tech and Engineers Pvt. Ltd., (Environmental Testing Laboratory), D 29/16, Road No. 17, Gate No. 3, Hojiwala Industrial Estate, Surat, Gujarat

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-5885 (In lieu of T-1961)

Page 4 of 8

**Validity** 01.06.2017 to 30.05.2019

Last Amended on 30.06.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Total Hardness (as CaCO <sub>3</sub> )	IS 3025 (Part 21) / APHA (Part 2000, Section : 2340 C)	5 mg/l to 3000 mg/l
		Alkalinity (as CaCO <sub>3</sub> )	IS 3025 (Part 23) / APHA (Part 2000, Section : 2320 B)	5 mg/l to 1000 mg/l
		Phosphate (as PO <sub>4</sub> )	IS 3025 (Part 31) Clause 4 / APHA (Part 4000, Section : 4500 P) D	0.02 mg/l to 100 mg/l
		Sodium (as Na)	IS 3025 (Part 45) Clause 5 / APHA Part 3000, Section : 3500 Na) B	0.2 mg/l to 100 mg/l
		Potassium (as K)	IS 3025 (Part 45) Clause 5 / APHA (Part 3000, Section : 3500 K) B	0.2 mg/l to 100 mg/l
		Calcium (as Ca)	IS 3025 (Part 40) Clause 5 / APHA (Part 3000, Section : 3500 Ca) B & As per Instrument Instruction manual	0.5 mg/l to 2000 mg/l & 0.5 mg/l to 300 mg/l
		Magnesium (as Mg)	IS 3025 (Part 46) Clause 6 / APHA (Part 3000, Section : 3500Mg-B)	0.5 mg/l to 2000 mg/l
3.	Industrial Water	pH Value	IS 3025 (Part 11) / APHA (Part 4000, Section : 4500-H <sup>+</sup> ) B	2 to 12
		Total Dissolved Solids	IS 3025 (Part 16) / APHA (Part 2000, Section : 2540 C)	5 mg/l to 20000 mg/l
		Sulphates (as SO <sub>4</sub> )	IS 3025 (Part 24) Clause 4 / APHA (Part 4000, Section : 4500-SO <sub>4</sub> <sup>2-</sup> ) E	2 mg/l to 2000 mg/l
		Chloride (as Cl)	IS 3025 (Part 32) Clause 2 / APHA (Part 4000, Section : 4500-Cl) B	10 mg/l to 8000 mg/l

Vinay Kumar Tyagi  
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** Enpro Enviro Tech and Engineers Pvt. Ltd., (Environmental Testing Laboratory), D 29/16, Road No. 17, Gate No. 3, Hojiwala Industrial Estate, Surat, Gujarat

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-5885 (In lieu of T-1961)

Page 5 of 8

**Validity** 01.06.2017 to 30.05.2019

Last Amended on 30.06.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Iron ( as Fe)	IS 3025 (Part 53) Clause 6 / APHA (Part 3000, Section : 3500-Fe) B	0.1 mg/l to 100 mg/l
		Total Hardness (as CaCO <sub>3</sub> )	IS 3025 (Part 21) / APHA (Part 2000, Section : 2340 C)	5 mg/l to 3000 mg/l
		Alkalinity (as CaCO <sub>3</sub> )	IS 3025 (Part 23) / APHA (Part 2000, Section : 2320 B)	5 mg/l to 1000 mg/l
		Turbidity	IS 3025 (Part 10)/ APHA (Part 2000, Section : 2130 B)	0.2 NTU to 500 NTU
		Fluoride (as F)	APHA (Part 4000, Section : 4500 F <sup>-</sup> ) B,D	0.5 mg/l to 50 mg/l
<b>II.</b>	<b>POLLUTION AND ENVIRONMENT</b>			
<b>1.</b>	<b>Waste Water (Effluents / Sewage)</b>	pH Value	IS 3025 (Part 11) / APHA (Part 4000, Section : 4500-H <sup>+</sup> ) B	2 to 12
		Total Dissolved Solids	IS 3025 (Part 16) / APHA (Part 2000, Section :2540 C)	5 mg/l to 20000 mg/l
		Total Suspended Solids	IS 3025 (Part 17) / APHA (Part 2000, Section :2540 D)	5 mg/l to 5000 mg/l
		Sulphates (as SO <sub>4</sub> )	IS 3025 (Part 24): Clause 4 / APHA (Part 4000, Section : 4500-SO <sub>4</sub> <sup>2-</sup> ) E	2 mg/l to 2000 mg/l
		Chlorine Residual (as Cl)	IS 3025 (Part 26) Clause 3 / APHA (Part 4000, Section : 4500-Cl) B	1 mg/l to 100 mg/l
		Sulphide (as S)	IS 3025 (Part 29) Clause 2/ APHA (Part 4000, Section : 4500-S <sup>2-</sup> ) F	1 mg/l to 100 mg/l

*Vinay*

Vinay Kumar Tyagi  
Convenor

*N. Venkateswaran*

N. Venkateswaran  
Program Director





# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

**Laboratory** Enpro Enviro Tech and Engineers Pvt. Ltd., (Environmental Testing Laboratory), D 29/16, Road No. 17, Gate No. 3, Hojiwala Industrial Estate, Surat, Gujarat

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-5885 (In lieu of T-1961)

Page 6 of 8

**Validity** 01.06.2017 to 30.05.2019

Last Amended on 30.06.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
1.	Waste Water (Effluents / Sewage)	Chloride (as Cl)	IS 3025 (Part 32) Clause 2 / APHA (Part 4000, Section : 4500-Cl) B	10 mg/l to 8000 mg/l
		Ammonical Nitrogen (as NH <sub>3</sub> -N)	IS 3025 (Part 34) Clause 2.3 / APHA (Part 4000, Section : 4500-NH <sub>3</sub> ) B,C	0.2 mg/l to 1000 mg/l
		Oil & Grease	IS 3025 (Part 39) Clause 5 / APHA (Part 5000, Section : 5520) B	1 mg/l to 1000 mg/l
		Copper (as Cu)	IS 3025 (Part 42) Clause 5 / APHA (Part 3000, Section : 3500-Cu) B	0.02 mg/l to 100 mg/l
		Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS 3025 (Part 43) Clause 5 / APHA (Part 5000, Section : 5530) D	0.5 mg/l to 100 mg/l
		Biochemical Oxygen Demand (at 27 °C for 3 days)	IS 3025 (Part 44)	2 mg/l to 30000 mg/l
		Biochemical Oxygen Demand (at 20 °C for 5 days)	APHA (Part 5000, Section: 5210) B	2 mg/l to 30000 mg/l
		Total Chromium (as Cr)	IS 3025 (Part 52) Clause 6 / APHA (Part 3000, Section : 3500-Cr) B	0.01 mg/l to 100 mg/l
		Hexavalent Chromium (as Cr <sup>6+</sup> )	IS 3025 (Part 52) Clause 6 / APHA (Part 3000, Section : 3500-Cr) B	0.01 mg/l to 100 mg/l
			Iron (as Fe)	IS 3025 (Part 53) Clause 6 / APHA (Part 3000, Section : 3500-Fe) B
	Chemical Oxygen Demand	IS 3025 (Part 58) / APHA (Part 5000, Section : 5220) B	5 mg/l to 100000 mg/l	

*Vinay*

Vinay Kumar Tyagi  
Convenor

*N. Venkateswaran*

N. Venkateswaran  
Program Director



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

**Laboratory** Enpro Enviro Tech and Engineers Pvt. Ltd., (Environmental Testing Laboratory), D 29/16, Road No. 17, Gate No. 3, Hojiwala Industrial Estate, Surat, Gujarat

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-5885 (In lieu of T-1961)

Page 7 of 8

**Validity** 01.06.2017 to 30.05.2019

Last Amended on 30.06.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Sulphite (as SO <sub>3</sub> )	IS 3025 (Part 28)/ APHA (Part 4000, Section : 4500 SO <sub>3</sub> <sup>-2</sup> B)	0.5 mg/l to 50 mg/l
		Fluoride (as F)	APHA (Part 4000, Section : 4500 F <sup>-</sup> )B,D	0.5 mg/l to 50 mg/l
		Phosphate (as PO <sub>4</sub> )	IS 3025 (Part 31) Clause 4 / APHA (Part 4000, Section : 4500 P)D	0.02 mg/l to 100 mg/l
		Aluminium (as Al)	IS 3025 (Part 55) Clause 5 / APHA (Part 3000, Section : 3500 Al) B	0.03 mg/l to 50 mg/l
		Dissolved Oxygen	IS 3025 (Part 38) Clause 4.1/ APHA (Part 4000, Section : 4500 O) B,C,G	0.1 mg/l to 15 mg/l
		Sodium (as Na)	IS 3025 (Part 45) Clause 5 / APHA (Part 3000, Section : 3500 Na) B	0.2 mg/l to 100 mg/l
		Potassium (as K)	IS 3025 (Clause 5) / APHA (Part 3000, Section : 3500 K) B	0.2 mg/l to 100 mg/l
		Lithium (as Li)	APHA (Part 3000, Section : 3500 Li) B	0.5 mg/l to 50 mg/l
		Total Solids	IS 3025 (Part 15)/ APHA (Part 2000, Section : 2540 B)	5 mg/l to 30000 mg/l
		Fixed Solids & Volatile Solids	IS 3025 (Part 18) / APHA (Part 2000, Section : 2540E )	5 mg/l to 30000 mg/l
2.	<b>Wastes (Liquid/Slurry/Sludge/Solid/ Semi-Solid)</b>	pH	USEPA-9045 D	2 to 12
Loss on Drying (at 105 °C)		APHA (Part 2000, Section : 2540 G)	0.1 % to 80 %	
Loss on Ignition (at 550°C)		APHA (Part 2000, Section : 2540 G)	0.1 % to 95 %	

*Vinay*

Vinay Kumar Tyagi  
Convener

*N. Venkateswaran*

N. Venkateswaran  
Program Director





# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

**Laboratory** Enpro Enviro Tech and Engineers Pvt. Ltd., (Environmental Testing Laboratory), D 29/16, Road No. 17, Gate No. 3, Hojiwala Industrial Estate, Surat, Gujarat

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-5885 (In lieu of T-1961)

Page 8 of 8

**Validity** 01.06.2017 to 30.05.2019

Last Amended on 30.06.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
3.	Municipal Solid Wastes	Calorific Value	IS 1350 (Part 2) & As per Instrument Instruction manual	200 kcal/kg to 12000 kcal/kg
<b>III. ATMOSPHERIC POLLUTION</b>				
1.	Ambient Air Monitoring	Sulfur dioxide (SO <sub>2</sub> )	IS 5182 (Part 2) / SOP No. WI/AA/02	5 µg/m <sup>3</sup> to 100 µg/m <sup>3</sup>
		Nitrogen dioxide (NO <sub>2</sub> )	IS 5182 (Part 6) / SOP No. - WI /AA/03	5 µg/m <sup>3</sup> to 100 µg/m <sup>3</sup>
		Particulate Matter Particle size less than ≤ 2.5 µm (PM <sub>2.5</sub> )	SOP No. - WI/AA/01	10 µg/m <sup>3</sup> to 200 µg/m <sup>3</sup>
		Particulate Matter Particle size less than ≤ 10 µm (PM <sub>10</sub> )	IS 5182 (Part 23) / SOP no. - WI/AA/01	10 µg/m <sup>3</sup> to 800 µg/m <sup>3</sup>
2.	Stack Emission Monitoring	Sulfur dioxide (SO <sub>2</sub> )	IS 11255 (Part 2)	5 mg/Nm <sup>3</sup> to 600 mg/Nm <sup>3</sup> (1.9-227 ppm)
		Oxides of nitrogen (as NO <sub>2</sub> )	IS 11255 (Part 7) EPA -Method 7C	4 mg/Nm <sup>3</sup> to 400 mg/Nm <sup>3</sup> (2.1-210 ppm)
		Particulate Matter (PM)	IS 11255 (Part 1)	5 mg/Nm <sup>3</sup> to 400 mg/Nm <sup>3</sup>

Vinay

Vinay Kumar Tyagi  
Convenor

N. Venkateswaran

N. Venkateswaran  
Program Director