

# Quality And Accreditation Institute

## Centre for Laboratory Accreditation



### Certificate of Accreditation

**Legion Laboratories Pvt. Ltd.**

B-6/7, Site-5, UPSIDC, Kasna Industrial Area,  
Greater Noida-201306, Uttar Pradesh, India

has been assessed and accredited in accordance with the Standard  
**ISO/IEC 17025:2017**

“General Requirements for the Competence of Testing and Calibration Laboratories”  
In the field of  
**Testing**

This certificate remains valid for the Scope of Accreditation as specified  
in the annexure subject to continued compliance to the above standard &  
any other requirements specified by QAI.



**QAI/CLA/TL/2023/0019**

Valid from: 31 July 2023

Valid until: 30 July 2025

**Dr. Bhupendra Kumar Rana**  
Chief Executive Officer

**Prof. Vikram Kumar**  
Chair, CLA



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### Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
1.	Ambient Air / work zone air / indoor air	Ammonia	IS 5182: Part 25: 2018
2.		Benzene	IS: 5182:(Part-11): 2006
3.		Carbon Di sulphide	IS 5182: Part-20: 1982
4.		Carbon Monoxide	IS: 5182: Part 10: 1999
5.		Fluoride (as F)	IS: 5182 (Part-13): 1991
6.		Lead	IS 5182: (Part -22): 2004
7.		Nickel	IS 5182: (Part -26): 2004
8.		Nitrogen Dioxide	IS 5182: Part 6: 2006
9.		Non-Methane Hydrocarbons	IS 5182: P-21: 2001
10.		Ozone	IS 5182:(part-9) :1974
11.		Particulate Matter (PM 2.5)	IS 5182: Part 24: 2019
12.		Respirable Particulate Matter (PM 10)	IS 5182: Part 23: 2006
13.		Silica	NIOSH 7601: 2003
14.		Chlorine (as Cl <sub>2</sub> )	IS 5182 (Part 19): 1982
15.		Sulphur Dioxide	IS 5182: Part 2: 2001
16.		Suspended Particulate Matter	IS 5182: Part 4: 1999
17.		Toluene	IS: 5182 (Part-11): 2006
18.		Xylene	IS: 5182 (Part-11): 2006
19.		Formaldehyde (as HCHO)	Method: 116, Methods of Air Sampling and Analysis Inter society committee, (3rd Edition): 1988
20.	Ambient Noise / Source noise	Noise Level (DG Noise-Insertion loss)	IS:4758: 1968
21.		Ambient Noise	IS:9989: 1981
22.		Work Zone Noise	IS:9989: 1981
23.	Meteorological Data	Barometric Pressure	Instrument Manual
24.		Rain Fall	Instrument Manual



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
25.		Relative Humidity	Instrument Manual
26.		Solar Radiation	Instrument Manual
27.		Temperature	Instrument Manual
28.		Wind Direction	Instrument Manual
29.		Wind Speed	Instrument Manual
30.	Stack Emission	Particulate Matter	IS 11255: Part 1: 1985
31.		Ammonia	IS: 11255 (part 6): 1999
32.		Carbon Dioxide	IS: 13270: 1992
33.		Carbon Monoxide	USEPA 10: 1995
34.		Lead	USEPA 29: 2015
35.		Moisture	IS: 11255 (Part 3): 2008
36.		Non methane Hydro carbon (NMHC)	Method:101, Methods of Air Sampling and Analysis Inter society committee, Third Edition: 1988
37.		Oxides of Nitrogen	IS 11255: Part 7: 2005
38.		Quantity of Gas Flow	IS: 11255 (Part 3): 2008
39.		Sulphur Dioxide	IS 11255: Part 2: 1985
40.		Stack Temperature	IS: 11255 (Part 3): 2008
41.		Total Fluoride (as F)	IS 11255: Part 5: 1990
42.		Total Hydrocarbon (as CH4)	IS: 13270: 1992
43.		Velocity of Gas	Instrumental
44.		Chlorine	US EPA Method 26
45.		Fluoride (Particulate)	US EPA Method 13 A
46.		Total Hydro Carbon	IS 5182: Part-20: 1982
47.		Carbon Disulphide	IS 5182: Part-20: 1982
48.		Hydrogen Sulphide	IS 11255: Part 4: 2006
49.	Quantity of Gas Flow	IS: 11255 (Part 3); 2008 (RA 2018)	



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
50.	Lubricating Oil/ Hydraulic Oil/ Engine Oil/Gear Oil/ Thermic Fluid	Distillation Recovery@350 to 370°C	IS 1448 (Part 18): 2020
51.		Electrical Conductivity	IS 1448 (Part 148): 2019
52.		Fire Point	IS 1448 (Part 69): 2019
53.		Flash Point (ABEL)	IS 1448 (Part 20): 2019
54.		Flash Point (COC)	IS 1448 (Part 69): 2013
55.		Free Acidity & Alkalinity	IS 1448 (Part- 53): 1979
56.		Kinematic Viscosity at 38 /40 °C	IS 1448 (Part 25): 1976
57.		Kinematic Viscosity, 40, 50 °C at 100 °C	IS 1448 (Part 25): 1976
58.		Pour Point	IS 1448 (Part 10/Sec- 1): 2012
59.		Relative Density / Density @23 °C & 15°C	IS 1448 (Part 32): 2019
60.		Sediment	IS 1448 (Part 30): 2013
61.		Sulphated Ash	IS 1448 (Part 4): 1984
62.		TBN (Total Base Number)	IS 1448 (Part 2): 2007
63.		Total Acid Number	ASTM D 974-04: 2019
64.		Viscosity Index	IS 1448 (Part 56): 2013
65.	Water Content	IS 1448 (Part 40): 2015	
66.	Transformer Oil/Insulating Oil	Appearance	IS 1448: 1998
67.		Ageing Characteristics after Accelerated ageing (Open Beaker Method)	IS 12177 Method A: 1987
68.		Ash Content	IS 1448 (Part 4): 1984
69.		Copper Strip Corrosion	IS 1448 (Part 15): 2004
70.		Corrosive Sulphur	IS 335 Annex B: 1993
71.		Density	IS 1448 (Part-16):1990



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
72.	Diesel, LDO, Petrol	Dielectric Strength (Break Down Voltage)	IS 6792: 1992
73.		Dissolved Gas Analysis	IS 9434: 1992
74.		Flash Point (PMCC)	IS 1448 (Part 21): 2019
75.		Kinematic Viscosity @ 27 °C & 40°C	IS 1448 (Part 25): 1976
76.		Neutralization Value	IS 1448 (Part 1/Sec 1): 2002
77.		Oxidation stability	IS 335 Annex C: 1993
78.		Pour Point	IS 1448 (Part-10) SEC 1: 2012
79.		Presence of oxidation Inhibitor	IS 13631 Method-A: 2017
80.		Sediment & Sludge	IS 1448 (Part 30) IS 1448 (Part 41): 2019
81.		Water Titration by KF	IS 13567: 1992
82.		Distillation	IS 1448 (Part 18): 2020
83.		Flash Point, PMCC	IS 1448 (Part 21): 2019
84.		Freezing Point	IS 1448 Part11: 2004
85.		Lead Content	ASTM D 5059: 2019
86.		Silver Strip Corrosion	IS 1448 Annex B:1998
87.		Acidity of Distillate Residue	ASTM D 1093: 2019
88.		Appearance	Visual: 2021
89.		Aromatic Content	IS 1448 Part 23: 2004
90.		Ash content	IS 1448 (Part 4): 1984
91.		Benzene Content	ASTM D 5580: 2019
92.		Cetane Index	ASTM D 4737-10: 2019
93.		Colour	IS 1448: Part 12 : 2013
94.		Flash Point (Abel)	IS 1448 (Part 20): 1998
95.		Gross Calorific Value	IS 1448 Part6 & 7: 2012
96.		Inorganic Acidity	IS 1448 (Part 2): 2007

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
97.		Kinematic Viscosity @40 °C, 50 °C & 100°C	IS 1448 (Part 25)-: 1976
98.		Pour Point	IS 1448 (Part 10/Sec 1): 2012
99.		Relative density / Density @15 °C	IS 1448 (Part 16 & 32): 2019
100.		Smoke Point	IS 1448 Part 31: 2004
101.		Water Content	S 1448 (Part 40): 2015
102.		Water content by KF	IS 13567: 2018
103.		Chlorine	IS 1448 Part 50: 2021
104.		Cloud Point	IS 1448 (Part 10/Sec 1): 2012
105.		Ethanol Content	ASTM D 5599: 2019
106.		Oxidation Stability	IS 1448 Part 154 & Part 28: 2012
107.		Sediment & Sludge	IS 1448 (Part 30 & 41): 2019
108.		Sulphur Ash	IS 1448 (Part 4): 1984
109.		Sulphur Content	IS 1448 (Part 33): 1991
110.	Soil/Sludge	Total Acidity / Neutralization Value / Inorganic acidity	IS 1448 (Part 2): 2007
111.		Total Base Number	IS 1448 (Part 1), Sec 2: 2002
112.		Viscosity Index	IS 1448 Part 56: 2013
113.		Carbon Residue	IS 1448 (Part 122), IS 1448 (Part 8): 2013
114.		Boron	Soil & Solid waste Analysis – P.K.Behera
115.		Cation Exchange Capacity	IS:2720 (pt-24): 1976
116.		Electrical Conductivity (1: 5)	IS:14767: 2000
117.		Total Nitrogen	IS:14684: 1999
118.		Organic Carbon/matter	IS 2720 (P-22)-1972
119.		pH	IS 2720 (Part 26) : 2002

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
120.		Phosphate (Ortho)& (total)	FCO: 1985
121.		Phosphorous available (as P)	Soil & Solid waste Analysis – P.K.Behera
122.		Sodium Absorption Ratio (SAR)	IS 2720 (Part 27): 1977
123.		Potassium (as K)	Soil & Solid waste Analysis – P.K.Behera
124.		Nitrate	Soil & Solid waste Analysis – P.K.Behera
125.		Nitrite	Soil & Solid waste Analysis – P.K.Behera
126.		Ammonia	Soil & Solid waste Analysis – P.K.Behera
127.		Bicarbonate	Soil & Solid waste Analysis – P.K.Behera
128.		Calcium Carbonate	IS:2720 (pt-23)-: 1976
129.		Calcium	Soil & Solid waste Analysis – P.K.Behera
130.		Chloride	Soil & Solid waste Analysis – P.K.Behera
131.		Colour	Soil & Solid waste Analysis – P.K.Behera
132.		Bulk Density	Soil & Solid waste Analysis – P.K.Behera
133.		Exchangeable Sodium Percentage (ESP)	DOAC: 2011
134.		Iron (as Fe)	Soil & Solid waste Analysis – P.K.Behera
135.	Lead (as Pb)	EPA SW 846 Method 7420: 1986	

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
136.		Sodium (as Na)	Soil & Solid waste Analysis – P.K.Behera
137.		Water Holding Capacity	IS:2720(Part -2): 1973/Soil & Solid waste Analysis – P.K.Behera
138.		Sulphate	IS 2720 (Part 27): 1977/Soil & Solid waste Analysis – P.K.Behera
139.		Chromium (as Cr)	EPA SW 846 Method 7190: 1986
140.		Chromium (Hexavalent) (as Cr+6)	USEPA SW 846 Method 7186 A: 1996
141.		Copper (as Cu)	EPA SW 846 Method 7210: 1986
142.		Loss on Ignition	ASTM D7348: 2013
143.		Magnesium	Soil & Solid waste Analysis – P.K.Behera
144.		Moisture\ Water Content	IS:2720 (Part -2) :1973 Soil & Solid waste Analysis – P.K.Behera
145.		Texture	IS: 2720 (P-4): 2015 Soil & Solid waste Analysis – P.K.Behera
146.		Total Solids \ soluble	IS 2720: P-21: 1977
147.		Total Water-Soluble Salt	Soil & Solid waste Analysis – P.K.Behera
148.		Zinc (as Zn)	Soil & Solid waste Analysis – P.K.Behera
149.		SiO <sub>2</sub>	IS 2720 (P-25)-1982
150.		Sulphur content	Soil & Solid waste Analysis – P.K.Behera





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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
151.		Total Kjeldahl Nitrogen	Soil & Solid waste Analysis – P.K.Behera
152.	Waste water, Industrial water, Industrial Effluent	pH	APHA 24 <sup>th</sup> Ed. 2021;
153.		Temperature	APHA 24 <sup>th</sup> Ed. 2021; 2550
154.		Acidity	APHA 24 <sup>th</sup> Ed. 2021; 2310
155.		Alkalinity	APHA 24 <sup>th</sup> Ed. 2021; 2320
156.		Aluminium	APHA 24 <sup>th</sup> Ed. 2021; 3500 Al
157.		Ammonical Nitrogen	APHA 24 <sup>th</sup> Ed. 2021; 4500
158.		Anionic Detergents (as MBAS)	APHA 24 <sup>th</sup> Ed. 2021; 4500
159.		Arsenic (As)	APHA 24 <sup>th</sup> Ed. 2021; 3500 As
160.		Barium (Ba)	APHA 24 <sup>th</sup> Ed. 2021; 3500 Ba
161.		Boron (B)	APHA 24 <sup>th</sup> Ed. 2021; 4500 B
162.		Bromide	APHA 24 <sup>th</sup> Ed. 2021; 4500 Br
163.		Biochemical Oxygen demand (BOD) (3 days at 27°C & 5 days at 20°C)	APHA 24 <sup>th</sup> Ed. 2021; 5210
164.		Cadmium	APHA 24 <sup>th</sup> Ed. 2021; 3500 Cd
165.		Calcium	APHA 24 <sup>th</sup> Ed. 2021; 3500 Ca
166.		Carbon Dioxide	APHA 24 <sup>th</sup> Ed. 2021; 4500 CO <sub>2</sub>
167.		Chemical Oxygen Demand (COD)	APHA 24 <sup>th</sup> Ed. 2021; 5220
168.		Chloride	APHA 24 <sup>th</sup> Ed. 2021; 4500 Cl
169.	Chlorine Demand	APHA 24 <sup>th</sup> Ed. 2021; 2350	
170.	Colour	APHA 24 <sup>th</sup> Ed. 2021; 2120	
171.	Copper	APHA 24 <sup>th</sup> Ed. 2021; 3500 Cu	
172.	Dissolved Oxygen	APHA 24 <sup>th</sup> Ed. 2021;	
173.	Electrical Conductivity	APHA 24 <sup>th</sup> Ed. 2021;	
174.	Fixed Solids	APHA 24 <sup>th</sup> Ed. 2021; 2540	



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
175.		Fluoride	APHA 24 <sup>th</sup> Ed. 2021; 4500 F
176.		Hexavalent Chromium	APHA 24 <sup>th</sup> Ed. 2021; 3500 B
177.		Iron	APHA 24 <sup>th</sup> Ed. 2021; 3500 Fe
178.		Lead	APHA 24 <sup>th</sup> Ed. 2021; 3500Pb
179.		Magnesium (as Mg)	APHA 24 <sup>th</sup> Ed. 2021; 3500 Mg
180.		Manganese	APHA 24 <sup>th</sup> Ed. 2021; 3500 Mn
181.		Nitrate Nitrogen (NO <sub>3</sub> )	APHA 24 <sup>th</sup> Ed. 2021; 4500
182.		Nitrite Nitrogen (NO <sub>2</sub> )	APHA 24 <sup>th</sup> Ed. 2021; 4500
183.		Odour	APHA 24 <sup>th</sup> Ed. 2021; 2150
184.		Oil & Grease	APHA 24 <sup>th</sup> Ed. 2021; 5520
185.		Phosphate	APHA 24 <sup>th</sup> Ed. 2021; 4500
186.		Potassium	APHA 24 <sup>th</sup> Ed. 2021; 3500 K
187.		Residual Free Chlorine	APHA 24 <sup>th</sup> Ed. 2021;
188.		Salinity	APHA 24 <sup>th</sup> Ed. 2021; 2520
189.		Settable Solids	APHA 24 <sup>th</sup> Ed. 2021; 2540
190.		Silica	APHA 24 <sup>th</sup> Ed. 2021; 4500 SiO <sub>2</sub>
191.		Sludge Volume Index	APHA 24 <sup>th</sup> Ed. 2021; 2710
192.		Sodium	APHA 24 <sup>th</sup> Ed. 2021; 3500 Na
193.		Sulphate	APHA 24 <sup>th</sup> Ed. 2021;
194.		Sulphide (as H <sub>2</sub> S)	APHA 24 <sup>th</sup> Ed. 2021
195.		Sulphite	APHA 24 <sup>th</sup> Ed. 2021; 4500 SO <sub>4</sub>
196.		TDS	APHA 24 <sup>th</sup> Ed. 2021; 2540
197.		Total Chromium	APHA 24 <sup>th</sup> Ed. 2021; 3500 Cr
198.		Total Hardness as CaCO <sub>3</sub>	APHA 24 <sup>th</sup> Ed. 2021; 2340
199.		Total Kjeldahl Nitrogen (TKN)	APHA 24 <sup>th</sup> Ed. 2021;
200.		Total Solids	APHA 24 <sup>th</sup> Ed. 2021; 2540
201.		Total Suspend Solid	APHA 24 <sup>th</sup> Ed. 2021; 2540



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
202.	Drinking Water, RO Water, Ground Water, Surface water, Borewell Water, Potable Water	Total Volatile Suspended Solids (TVSS)	APHA 24 <sup>th</sup> Ed. 2021; 2540
203.		Turbidity	APHA 24 <sup>th</sup> Ed. 2021; 2130
204.		Volatile Solids	APHA 24 <sup>th</sup> Ed. 2021; 2540
205.		Zinc (Zn)	APHA 24 <sup>th</sup> Ed. 2021; 3500 Zn
206.		Conductivity	APHA 24 <sup>th</sup> Ed. 2021; 2510
207.		Conductivity	IS 3025 (P-14)/APHA 24 <sup>th</sup> Ed. 2021
208.		Colour	IS 3025 (P-4) / APHA 24 <sup>th</sup> Ed. 2021
209.		pH	IS 3025 (P-11) /APHA 24 <sup>th</sup> Ed. 2021
210.		Total Solids (Inorganic/Organic)	IS 3025 (P-18) /APHA 24 <sup>th</sup> Ed. 2021
211.		Total Dissolved Solids	IS 3025 (P-16) /APHA 24 <sup>th</sup> Ed. 2021
212.		Taste	IS 3025 (P-8) /APHA 24 <sup>th</sup> Ed. 2021
213.		Turbidity	IS 3025 (P-10) /APHA 24 <sup>th</sup> Ed. 2021
214.		Temperature	APHA 24 <sup>th</sup> Ed. 2021
215.		Odour	IS 3025 (P-5) /APHA 24 <sup>th</sup> Ed.
216.		Acidity	IS 3025 (P-22) / APHA 24 <sup>th</sup> Ed. 2021
217.		Total Alkalinity	IS 3025 (P-23) / APHA 24 <sup>th</sup> Ed. 2021
218.		Ammonia (Ammonical Nitrogen)	IS 3025 (P-34) / APHA 24 <sup>th</sup> Ed. 2021
219.		Chloride	IS 3025 (P-32) / APHA 24 <sup>th</sup> Ed. 2021
220.		Free Residual Chlorine	IS 3025 (P-26) / APHA 24 <sup>th</sup> Ed. 2021
221.		Dissolved Oxygen	IS 3025 (P-38) / APHA 24 <sup>th</sup> Ed. 2021
222.		Fluoride	IS 3025 (P-60) / APHA 24 <sup>th</sup> Ed. 2021
223.		Total Hardness	IS 3025 (P-21) / APHA 24 <sup>th</sup> Ed. 2021
224.		Nitrate Nitrogen	IS 3025 (P-34) / APHA 24 <sup>th</sup> Ed. 2021
225.		Nitrite Nitrogen	IS 3025 (P-4) / APHA 24 <sup>th</sup> Ed. 2021
226.		Phosphate	APHA 24 <sup>th</sup> Ed. 2021
227.		Sulphate	IS 3025 (P-24) / APHA 24 <sup>th</sup> Ed. 2021
228.		Phosphorous	IS 3025 (P-31) / APHA 24 <sup>th</sup> Ed. 2021



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
229.		Bromide	APHA 24 <sup>th</sup> Ed. 2021 4500 Br
230.		Sulphide	IS 3025 (P-29) / APHA 24 <sup>th</sup> Ed. 2021
231.		Sulphite	APHA 24 <sup>th</sup> Ed. 2021
232.		Boron	IS 3025 (P-57) / APHA 24 <sup>th</sup> Ed. 2021
233.		Cadmium (as Cd)	IS 3025 (P-41) / APHA 24 <sup>th</sup> Ed. 2021
234.		Calcium (as Ca)	IS 3025 (P-40) / APHA 24 <sup>th</sup> Ed. 2021
235.		Total Chromium	IS 3025 (P-52) / APHA 24 <sup>th</sup> Ed. 2021
236.		Chromium Hexavalent	APHA 24 <sup>th</sup> Ed. 2021
237.		Copper	IS 3025 (P-42) / APHA 24 <sup>th</sup> Ed. 2021
238.		Iron	IS 3025 (P-53) / APHA 24 <sup>th</sup> Ed. 2021
239.		Zinc	IS 3025 (P-49) / APHA 24 <sup>th</sup> Ed. 2021
240.		Lead	IS 3025 (P-47) / APHA 24 <sup>th</sup> Ed. 2021
241.		Manganese	APHA 24 <sup>th</sup> Ed. 2021; 3500 Mn
242.		Magnesium	IS 3025 (P-46) / APHA 24 <sup>th</sup> Ed. 2021
243.		Potassium	IS 3025 (P-45) / APHA 24 <sup>th</sup> Ed. 2021
244.		Sodium (as Na)	IS 3025 (P-45) / APHA 24 <sup>th</sup> Ed. 2021
245.		Barium	IS 13428 (Annex F) / APHA 24 <sup>th</sup> Ed. 2021
246.		Biochemical Oxygen demand (BOD) (3 days at 27°C & 5 days at 20°C)	APHA 5210 (B) 23rdEd: 2017
247.		Chemical Oxygen Demand (COD)	APHA 5220-B: 2017
248.		Mineral Oil (oil & Grease)	IS 3025 (P-39) / APHA 24 <sup>th</sup> Ed. 2021
249.		Anionic Detergents	IS 13428 (Annex K)
250.		Chloramines	IS 3025 (P-26) / APHA 24 <sup>th</sup> Ed. 2021
251.	Silica (as Si)	IS 3025 (P-35)	
252.	Swimming Pool Water	Colour	IS 3025 (P-4) / APHA 24 <sup>th</sup> Ed. 2021



# Quality And Accreditation Institute

## Centre for Laboratory Accreditation



### Scope of Accreditation

*Legion Laboratories Pvt. Ltd.*

B-6/7, Site-5, UPSIDC, Kasna Industrial Area,  
Greater Noida-201306, Uttar Pradesh, India

QAI/CLA/TL/2023/0019

Valid from: 31 July 2023

Valid until: 30 July 2025

Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
253.		Odour	IS 3025 (P-5) / APHA 24 <sup>th</sup> Ed. 2021	
254.		pH	IS 3025 (P-11) / APHA 24 <sup>th</sup> Ed. 2021	
255.		Taste	IS 3025 (P-8) / APHA 24 <sup>th</sup> Ed. 2021	
256.		Turbidity	IS 3025 (P-10) / APHA 24 <sup>th</sup> Ed. 2021	
257.		Total Dissolved Solids	IS 3025 (P-16) / APHA 24 <sup>th</sup> Ed. 2021	
258.		Conductivity	APHA 24 <sup>th</sup> Ed. 2021	
259.		Heavy Metal (as Pb)	IS 3025 (P-47) / APHA 24 <sup>th</sup> Ed. 2021	
260.		Chloride	IS 3025 (P-32) / APHA 24 <sup>th</sup> Ed. 2021	
261.		Total Alkalinity	IS 3025 (P-23) / APHA 24 <sup>th</sup> Ed. 2021	
262.		Free Residual Chlorine	IS 3025 (P-26) / APHA 24 <sup>th</sup> Ed. 2021	
263.		Iron	IS 3025 (P-53) / APHA 24 <sup>th</sup> Ed. 2021	
264.		Oxygen Absorbed in 4 hrs at 27°C	IS 3025 (P-51) / APHA 24 <sup>th</sup> Ed. 2021	
265.		Total Residual Chlorine	IS 3025 (P-26)	
266.		Pesticides in water	P.P. – DDT Or 4,4 –DDT	AOAC 990.06 (19 <sup>th</sup> Edn.)
267.			O.P. – DDE Or 2,4 – DDE	AOAC 990.06 (19 <sup>th</sup> Edn.)
268.			P.P. – DDE Or 4,4 –DDE	AOAC 990.06 (19 <sup>th</sup> Edn.)
269.			O.P. – DDD Or 2,4 – DDD	AOAC 990.06 (19 <sup>th</sup> Edn.)
270.			P.P. – DDD Or 4,4 –DDD	AOAC 990.06 (19 <sup>th</sup> Edn.)
271.			γ – HCH	AOAC 990.06 (19 <sup>th</sup> Edn.)
272.			α – HCH	AOAC 990.06 (19 <sup>th</sup> Edn.)
273.	β – HCH		AOAC 990.06 (19 <sup>th</sup> Edn.)	
274.	α – Endosulfan		AOAC 990.06 (19 <sup>th</sup> Edn.)	
275.	β – Endosulfan		AOAC 990.06 (19 <sup>th</sup> Edn.)	
276.	Endosulfan Sulfate		AOAC 990.06 (19 <sup>th</sup> Edn.)	
277.	Aldrin		AOAC 990.06 (19 <sup>th</sup> Edn.)	
278.	Dieldrin		AOAC 990.06 (19 <sup>th</sup> Edn.)	
279.	Chlorpyrifos		USEPA 8141A	
280.	Butachlor	USEPA 8141A		

This is annexure to 'Certificate of Accreditation' and does not require any signature.

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
281.		Alachlor	USEPA 507
282.		δ - lindane	AOAC 990.06 (19 <sup>th</sup> Edn.)
283.		Atrazine	USEPA 8141A
284.		Ethion	USEPA1657A
285.		Phorate	USEPA 8141A
286.		Phorate Sulfoxide	USEPA 8141A
287.		Phorate Sulfone	USEPA 8141A
288.		Monocrotophos	USEPA 8141A
289.		Methyl Parathion	USEPA 8141A
290.		Methyl Paraoxon	USEPA 8141A
291.		Malathion	USEPA 8141A



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Biological Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
1.	Effluents / Waste Water	Standard Plate Count	IS 1622: 1981
2.		Coliform	IS 1622: 1981
3.		E. coli	IS 1622: 1981
4.		Yeast & Mould	IS 5403: 1999
5.		Faecal Coliform	IS 1622: 1981
6.	Drinking Water, Ground Water, Surface Water, RO Water,	Standard Plate Count	IS 1622: 1981
7.		Total Coliform	IS 1622: 1981
8.		E. coli	IS 1622: 1981
9.		Yeast & Mould	IS 5403: 1999

