National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PROCESS & QUALITY ASSURANCE LABORATORY, INDIRA DHAM, YARA FERTILISERS INDIA PVT. LTD., BABRALA, SAMBHAL, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8351 **Page No** 1 of 7

Validity 26/07/2022 to 25/07/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Ammonia	IS 5182 : Part 23
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Oxides of Nitrogen	IS:5182 (Part VI)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Particulate Matter (Size less than 10 µm) PM 10	IS:5182 (Part- 23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Particulate Matter (Size less than 2.5 µm) PM 2.5	IS 5182: Part 26
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Sulphur di oxide	IS:5182 (Part 2)
6	CHEMICAL- FERTILIZERS	Neem Coated Urea	Biuret Test	Method of Analysis as per the FCO as amended up to July-21
7	CHEMICAL- FERTILIZERS	Neem Coated Urea	Biuret Test	P&QA-QSW-14-12-01 (Modified colorimetric validated method)
8	CHEMICAL- FERTILIZERS	Neem Coated Urea	Moisture	Method of Analysis as per the FCO as amended up to July-2021
9	CHEMICAL- FERTILIZERS	Neem Coated Urea	Moisture	P&QA-QSW-14-12-02 (Thermo Gravimetric Method Validated)
10	CHEMICAL- FERTILIZERS	Neem Coated Urea	Neem Oil content in NCU product.	1. Method of Analysis as per the FCO as as amended up to July 2021 (Schedue-II,Part-B,17)
11	CHEMICAL- FERTILIZERS	Neem Coated Urea	Nitrogen	Method of Analysis as per the Fertilizer (Control) Order- as amended up to July.2021
12	CHEMICAL- FERTILIZERS	Neem Coated Urea	Nitrogen	Method of Automatic Nitrogen Digestion & Distillation Assembly (P&QA-QSW-14-12-03)
13	CHEMICAL- FERTILIZERS	Neem Coated Urea	Particle Size Between 2.8 mm & 1.0 mm	1. Method of Analysis as per the FCO as amended up to July-2021 (Schedue-II,Part-B,20)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Alkalinity	APHA 23rd edition, 2320 (B)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Alkalinity	IS 3025 (Part 23)

SCOPE OF ACCREDITATION

Laboratory Name : PROCESS & QUALITY ASSURANCE LABORATORY, INDIRA DHAM, YARA FERTILISERS INDIA PVT. LTD., BABRALA, SAMBHAL, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8351 **Page No** 2 of 7

Validity 26/07/2022 to 25/07/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
16	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Ammonical Nitrogen	IS:3025 (Part-34)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	BOD	APHA 23rd edition, 5210-(B)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	BOD	IS: 3025 (Part 44)
19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	BOD	P&QA-QSW-14-11-19 (Dissolved Oxygen Probe Method Validated)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Calcium	APHA 23rd edition, 3500-Ca(B)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Calcium	IS: 3025 (Part 40)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Chloride	APHA 23rd edition, 4500-Cl- (B)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Chloride	IS: 3025 (Part 32)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	COD	APHA 23rd edition, 5220-(B)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	COD	IS 3025 (Part 58)
26	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	COD	P&QA-QSW-14-11-20, COD by COD Digester block, Hach
27	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Electrical Conductivity	APHA 23rd edition,2510 (A&B)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Electrical Conductivity	IS 3025 (Part 14)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Fluoride	APHA 23rd edition, 4500-F-(C)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Iron	APHA 23rd edition,3500-Fe (B)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Iron	IS: 3025 (Part-53)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Magnesium	APHA 23rd edition,3500-Mg(B)
33	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	Magnesium	IS: 3025 (Part 46)

SCOPE OF ACCREDITATION

Laboratory Name : PROCESS & QUALITY ASSURANCE LABORATORY, INDIRA DHAM, YARA FERTILISERS INDIA PVT. LTD., BABRALA, SAMBHAL, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8351 **Page No** 3 of 7

Validity 26/07/2022 to 25/07/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Nitrate	APHA 23rd edition, 4500- NO3- (B)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Nitrate	APHA 23rd edition,4500- NO3- (D)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Oil & Grease	APHA 23rd edition,5210-(B)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Oil & Grease	IS:3025-(Part-39)
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Ortho Phosphate	P&QA-QSW-14-11-11 (Modified Colourimetric Validated Method)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	pH	APHA 23rd edition, 4500- H+
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	pH	IS:3025 (Part 11)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Potassium	APHA 23rd edition,3500-K- (B)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Potassium	IS: 3025 (Part 45)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Sodium	APHA 23rd edition,3500-Na- (B): 2
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Sodium	IS: 3025 (Part 45)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Sulphate	APHA 23rd edition,4500-SO42- (E)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Sulphate	IS: 3025 (Part 24)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	TDS	APHA 23rd edition, 2540-(C)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	TDS	IS: 3025 (Part 15)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Total Hardness	APHA 23rd edition,2340 (C)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Total Hardness	IS: 3025 (Part 21)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	TSS	APHA 23rd edition, 2540-(D)

SCOPE OF ACCREDITATION

Laboratory Name : PROCESS & QUALITY ASSURANCE LABORATORY, INDIRA DHAM, YARA FERTILISERS INDIA PVT. LTD., BABRALA, SAMBHAL, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8351 **Page No** 4 of 7

Validity 26/07/2022 to 25/07/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	TSS	IS: 3025 (Part 17)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Turbidity	APHA 23rd edition,2130 (B)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Turbidity	IS: 3025 (Part 10)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Zinc	P& QA-QSW-14-11-15, by DR-900 USEPA Zincon method, method 8009
56	CHEMICAL- WATER	Bore Water	Alkalinity	APHA 23 edition 2320 (B)
57	CHEMICAL- WATER	Bore Water	Alkalinity	IS 3025 (Part 23)
58	CHEMICAL- WATER	Bore Water	Ammonia	IS:3025 (Part-34)
59	CHEMICAL- WATER	Bore water	Calcium	APHA 23 edition 3500-Ca (B)
60	CHEMICAL- WATER	Bore Water	Calcium	IS: 3025 (Part 40)
61	CHEMICAL- WATER	Bore water	Chloride	APHA 23 edition 4500-Cl- (B)
62	CHEMICAL- WATER	Bore Water	Chloride	IS: 3025 (Part 32)
63	CHEMICAL- WATER	Bore Water	Fluoride	APHA 4500-F-(C)
64	CHEMICAL- WATER	Bore water	Iron	APHA 23 edition 3500-Fe (B)
65	CHEMICAL- WATER	Bore Water	Iron	IS: 3025 (Part-53)
66	CHEMICAL- WATER	Bore water	Magnesium	APHA 23 edition 3500-Mg (B)
67	CHEMICAL- WATER	Bore Water	Magnesium	IS: 3025 (Part 46)
68	CHEMICAL- WATER	Bore Water	Nitrate	APHA 23 edition 4500- NO3-(B)
69	CHEMICAL- WATER	Bore water	Nitrate	APHA 23 edition 4500- NO3-(D)
70	CHEMICAL- WATER	Bore water	Ortho Phosphate	APHA 23rd edition 4500-P (D)
71	CHEMICAL- WATER	Bore Water	Ortho Phosphate	IS: 3025 (Part 31)
72	CHEMICAL- WATER	Bore Water	Ortho Phosphate	P&QA-QSW-14-11-11 (Modified Colourimetric Validated Method)
73	CHEMICAL- WATER	Bore water	pH	APHA 23 edition 4500- H
74	CHEMICAL- WATER	Bore Water	pH	IS:3025 (Part 11)
75	CHEMICAL- WATER	Bore water	Potassium	APHA 23 edition 3500-K- (B)
76	CHEMICAL- WATER	Bore Water	Potassium	IS: 3025 (Part 45)
77	CHEMICAL- WATER	Bore water	Silica	APHA 23 edition 4500-SiO2- (C)

SCOPE OF ACCREDITATION

Laboratory Name : PROCESS & QUALITY ASSURANCE LABORATORY, INDIRA DHAM, YARA FERTILISERS INDIA PVT. LTD., BABRALA, SAMBHAL, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8351 **Page No** 5 of 7

Validity 26/07/2022 to 25/07/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
78	CHEMICAL- WATER	Bore Water	Silica	IS: 3025 (Part 35)
79	CHEMICAL- WATER	Bore Water	Silica	P&QA-QSW-14-11-08 (Modified Colourimetric Validated Method)
80	CHEMICAL- WATER	Bore water	Sodium	APHA 23rd edition 3500-Na- (B)
81	CHEMICAL- WATER	Bore Water	Sodium	IS: 3025 (Part 45)
82	CHEMICAL- WATER	Bore Water	Sulphate	APHA 23 edition 4500-SO42-(E)
83	CHEMICAL- WATER	Bore Water	Sulphate	IS: 3025 (Part 24)
84	CHEMICAL- WATER	Bore water	TDS	APHA 23 edition 2540-(C)
85	CHEMICAL- WATER	Bore Water	TDS	IS: 3025 (Part 15)
86	CHEMICAL- WATER	Bore water	Total Hardness	APHA 23 edition 2340 (C)
87	CHEMICAL- WATER	Bore Water	Total Hardness	IS: 3025 (Part 21)
88	CHEMICAL- WATER	Bore water	Turbidity	APHA 23 edition 2130 (B)
89	CHEMICAL- WATER	Bore Water	Turbidity	IS: 3025 (Part 10)
90	CHEMICAL- WATER	Cooling Tower Water	Alkalinity	APHA 23 edition 2320 (B)
91	CHEMICAL- WATER	Cooling Tower Water	Alkalinity	IS 3025 (Part 23)
92	CHEMICAL- WATER	Cooling Tower Water	Ammonia	IS:3025 (Part-34)
93	CHEMICAL- WATER	Cooling Tower Water	Calcium	APHA 23 edition 3500-Ca (B)
94	CHEMICAL- WATER	Cooling Tower Water	Calcium	IS: 3025 (Part 40)
95	CHEMICAL- WATER	Cooling Tower Water	Chloride	APHA 23 edition 4500-Cl- (B)
96	CHEMICAL- WATER	Cooling Tower Water	Chloride	IS: 3025 (Part 32)
97	CHEMICAL- WATER	Cooling Tower Water	Iron	APHA 23 edition 3500-Fe (B)
98	CHEMICAL- WATER	Cooling Tower Water	Iron	IS: 3025 (Part-53)
99	CHEMICAL- WATER	Cooling Tower Water	Magnesium	APHA 23 edition 3500-Mg (B)
100	CHEMICAL- WATER	Cooling Tower Water	Magnesium	IS: 3025 (Part 46)
101	CHEMICAL- WATER	Cooling Tower Water	Nitrate	APHA 23 edition 4500- NO3-(B)
102	CHEMICAL- WATER	Cooling Tower Water	Nitrate	APHA 23 edition4500- NO3-(D)
103	CHEMICAL- WATER	Cooling Tower Water	Ortho Phosphate	P&QA-QSW-14-11-11 (Modified Colourimetric Validated Method)
104	CHEMICAL- WATER	Cooling Tower Water	pH	APHA 23 edition 4500- H+
105	CHEMICAL- WATER	Cooling Tower Water	pH	IS:3025 (Part 11)

SCOPE OF ACCREDITATION

Laboratory Name : PROCESS & QUALITY ASSURANCE LABORATORY, INDIRA DHAM, YARA FERTILISERS INDIA PVT. LTD., BABRALA, SAMBHAL, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8351 **Page No** 6 of 7

Validity 26/07/2022 to 25/07/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
106	CHEMICAL- WATER	Cooling Tower Water	Silica	APHA 23 edition 4500-SiO2- (C)
107	CHEMICAL- WATER	Cooling Tower Water	Silica	IS: 3025 (Part 35)
108	CHEMICAL- WATER	Cooling Tower Water	Silica	P&QA-QSW-14-11-08 (Modified Colourimetric Validated Method)
109	CHEMICAL- WATER	Cooling Tower Water	Sulphate	APHA 23 edition 4500-SO42-(E)
110	CHEMICAL- WATER	Cooling Tower Water	Sulphate	IS: 3025 (Part 24)
111	CHEMICAL- WATER	Cooling Tower Water	TDS	APHA 23 edition 2540-(C)
112	CHEMICAL- WATER	Cooling Tower Water	TDS	IS: 3025 (Part 15)
113	CHEMICAL- WATER	Cooling Tower Water	Total Hardness	APHA 23 edition 2340 (C)
114	CHEMICAL- WATER	Cooling Tower Water	Total Hardness	IS: 3025 (Part 21)
115	CHEMICAL- WATER	Cooling Tower Water	Turbidity	APHA 23 edition 2130 (B)
116	CHEMICAL- WATER	Cooling Tower Water	Turbidity	IS: 3025 (Part 10)
117	CHEMICAL- WATER	Cooling Tower Water	Zinc	P& QA-QSW-14-11-15, by DR-900 USEPA Zincon method, method 8009
118	CHEMICAL- WATER	Distilled - Demineralized	Ammonia	IS:3025 (Part-34)
119	CHEMICAL- WATER	Distilled - Demineralized	Chloride	IS: 10496
120	CHEMICAL- WATER	Distilled - Demineralized	Electrical Conductivity	APHA 23rd edition2510 (A&B)
121	CHEMICAL- WATER	Distilled - Demineralized	Electrical Conductivity	IS 3025 (Part 14)
122	CHEMICAL- WATER	Distilled - Demineralized	pH	APHA 23 edition 4500- H+
123	CHEMICAL- WATER	Distilled - Demineralized	pH	IS:3025 (Part 11)
124	CHEMICAL- WATER	Distilled - Demineralized	Silica	P&QA-QSW-14-11-08 (Modified Colourimetric Validated Method)
125	CHEMICAL- WATER	Distilled - Demineralized	Sodium	APHA 23 edition 3500-Na- (B)
126	CHEMICAL- WATER	Distilled - Demineralized	Sodium	IS: 3025 (Part 45)
127	CHEMICAL- WATER	Drinking Water	Chloride	APHA 23rd edition,4500-Cl- (B)
128	CHEMICAL- WATER	Drinking Water	Chloride	IS: 3025 (Part 32)
129	CHEMICAL- WATER	Drinking Water	Iron	APHA 3500-Fe (B)
130	CHEMICAL- WATER	Drinking Water	Iron	IS: 3025 (Part-53)
131	CHEMICAL- WATER	Drinking Water	pH	APHA 23 edition 4500- H
132	CHEMICAL- WATER	Drinking Water	pH	IS:3025 (Part 11)

SCOPE OF ACCREDITATION

Laboratory Name : PROCESS & QUALITY ASSURANCE LABORATORY, INDIRA DHAM, YARA FERTILISERS INDIA PVT. LTD., BABRALA, SAMBHAL, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8351 **Page No** 7 of 7

Validity 26/07/2022 to 25/07/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
133	CHEMICAL- WATER	Drinking Water	TDS	APHA 23 edition 23 edition 2540-(C)
134	CHEMICAL- WATER	Drinking Water	TDS	IS: 3025 (Part 15)
135	CHEMICAL- WATER	Drinking Water	Total Hardness	APHA 23 edition 2340 (C)
136	CHEMICAL- WATER	Drinking Water	Total Hardness	IS: 3025 (Part 21)
137	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 23 edition 2130 (B)
138	CHEMICAL- WATER	Drinking Water	Turbidity	IS: 3025 (Part 10)