National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MCF ENVIRONMENT LABORATORY, MANGALORE CHEMICALS AND FERTILIZERS LTD., PANAMBUR, MANGALORE, DAKSHIN KANNAD, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6999 **Page No** 1 of 2

Validity 25/02/2022 to 24/02/2024 **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	Ammonia as NH3	IS 5182 (Part 25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Nitrogen Dioxide as NO2	IS 5182 (part 6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter (Size less than 10µm) or PM10	IS 5182 (part 23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter (Size less than 2.5µm) or PM2.5	IS 5182 (Part 24)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulphur Dioxide as SO2	IS 5182 (part 2)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Acid Mist as Sulphuric acid	USEPA – method 8
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Ammonia	IS 11255 (part 6)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen	IS 11255 (part 7)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter (Dust Concentration)	IS 11255 (part 1)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide (SO2)	IS 11255 (part 2)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Total Fluoride as F	IS 11255 (Part 5)
12	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Nitrate Nitrogen (NO3-N)	MCFEL/TWW/SOP/013,Issue No.01/01.13.2022
13	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Ammoniacal Nitrogen as N	IS 3025 (part 3) (Titrimetric method)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Biochemical Oxygen Demand @ 27°C for 3 days	IS 3025 (part 44)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Chemical Oxygen Demand	IS 3025 (part 58)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Chloride as Cl	IS 3025 (part 32) (Argentometric method)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Flouride	APHA 23rd edition 4500 F- C (Ion selective electrode method)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Oil & Grease	IS 3025 (part 39) (Liquid-Liquid Partition Gravimetric method)

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	pH @25°C	IS 3025 (part 11)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Phosphorous as PO4	IS 3025 (part 31)(Vanedomolybdo-phosphoric acid method)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Reactive Silica as SiO2	IS 3025 (part 35)(Hetero poly blue method)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Total Dissolved Solids @ 180 degree centigrade	IS 3025 (part 16)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Total Hardness as CaCO3	IS 3025 (part 21)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Total Kjeldhal Nitrogen	APHA 23rd edition 4500-Norg (Macro-Kjeldhal method)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Total Suspended Solids	IS 3025 (part 17)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Treated waste water	Turbidity	IS 3025 (part 10)