

Name of Laboratory : Environment Research & Technology Co., Ltd.
Address : 25/114 Moo 6, Soi Chinaket 1, Ngamwongwan Road,
Toongsonghong, Laksi, Bangkok 10210
Accreditation Number : Testing - 0130
Contact Person : Ms. Ramita Taengthai
Phone : 0-2954-7745-6
Fax : 0-2954-7747
Email : ramita@enviresearch.co.th
Initial Issue Date : 30th September 2015
Issue Date : 13th February 2024
Expired date : 12th February 2028
Standard : ISO/IEC 17025:2017
Reference No. : 0303/2048

Scope of Laboratory Accreditation

Laboratory Name : Environment Research & Technology Co., Ltd.

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Accreditation Number : Testing - 0130

Laboratory Status : Permanent Site Temporary Mobile

Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1	Surface water	- Total suspended solids dried from 103 °C to 105 °C 5 mg/L to 1 000 mg/L - Total dissolved solids dried at 180 °C 50 mg/L to 4 000 mg/L - Cadmium 0.01 mg/L to 2.0 mg/L - Copper 0.01 mg/L to 2.0 mg/L	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th ed., 2023, part 2540 D Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th ed., 2023, part 2540 C In - house method : TM-LA-004 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th ed., 2023, part 3120 B, 3030 E

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1 (cont.)	Surface water	- Manganese 0.1 mg/L to 2.0 mg/L - Nickel 0.01 mg/L to 2.0 mg/L	In - house method : TM-LA-004 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th ed., 2023, part 3120 B, 3030 E
2	Wastewater	- Total suspended solids dried from 103 °C to 105 °C 5 mg/L to 1 000 mg/L - Total dissolved solids dried at 180 °C 50 mg/L to 4 000 mg/L	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th ed., 2023, part 2540 D Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th ed., 2023, part 2540 C

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2 (cont.)	Wastewater	- COD 40 mg/L to 400 mg/L	In - house method : TM-LA-003 based on Standard Methods for the Examination of Water and Wastewater, AWWA & WEF, 24 th ed., 2023, part 5220 C
		- Total Kjeldahl Nitrogen 1 mg/L to 100 mg/L	In - house method : TM-LA-008 based on Standard Methods for the Examination of Water and Wastewater, AWWA & WEF, 24 th ed., 2023, part 4500-N _{org} B
		- Cadmium 0.01 mg/L to 2.0 mg/L	In - house method : TM-LA-004 based on Standard Methods for the Examination of Water and Wastewater, AWWA & WEF, 24 th ed., 2023, part 3120 B, 3030 E
		- Copper 0.01 mg/L to 2.0 mg/L	

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2 (cont.)	Wastewater	- Manganese 0.01 mg/L to 2.0 mg/L - Nickel 0.01 mg/L to 2.0 mg/L	In - house method : TM-LA-004 based on Standard Methods for the Examination of Water and Wastewater, AWWA & WEF, 24 th ed., 2023, part 3120 B, 3030 E
3	Air - Ambient	- Total suspended particulate 20 mg/filter to 400 mg/filter	United States Environment Protection Agency, Code of Federal Regulation, 40 CFR chapter I-part 50 appendix B, Revised as of July 1, 2012 (Exclude sampling)

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
3 (cont.)	Air - Ambient	- Particulate matter (PM-10) 15 mg/filter to 200 mg/filter	United States Environment Protection Agency, Code of Federal Regulation, 40 CFR chapter I-part 50 appendix J, Revised as of July 1, 2012 (Exclude sampling)

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