



Ref No. : 0303/2048

## CERTIFICATE OF TESTING LABORATORY ACCREDITATION

This is to certify that

*Environment Research & Technology Co., Ltd.*  
*25/114 Moo 6, Soi Chinaket 1, Ngamwongwan Road,*  
*Toongsonghong, Laksi, Bangkok 10210*

has successfully undergone assessment according to ISO/IEC 17025 : 2017  
and under the Bureau of Laboratory Accreditation, Department of Science Service  
for the requirements, regulations and criteria for the competence of testing laboratories

LABORATORY ACCREDITATION  
Accreditation Number TESTING - 0130  
BLA-DSS

The scope of accreditation is as annexed hereto

Issue date : 13<sup>th</sup> February 2024

Expired date : 12<sup>th</sup> February 2028

Signature : *Chantararat Vorasapavit*  
(Mrs. Chantararat Vorasapavit)

Director of Bureau of Laboratory Accreditation

Bureau of Laboratory Accreditation, Department of Science Service,  
Ministry of Higher Education, Science, Research and Innovation

## Scope of Laboratory Accreditation

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

Address : 25/114 Moo 6, Soi Chinaket 1, Ngamwongwan Road,  
Toongsonghong, Laksi, Bangkok 10210

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	<ul style="list-style-type: none"> <li>- Total suspended solids dried from 103 °C to 105 °C 5 mg/L to 1 000 mg/L</li> <li>- Total dissolved solids dried at 180 °C 50 mg/L to 4 000 mg/L</li> <li>- Cadmium 0.01 mg/L to 2.0 mg/L</li> <li>- Copper 0.01 mg/L to 2.0 mg/L</li> </ul>	<p>Standard Methods for the Examination of Water and Wastewater, APHA, AWWA &amp; WEF, 24<sup>th</sup> ed., 2023, part 2540 D</p> <p>Standard Methods for the Examination of Water and Wastewater, APHA, AWWA &amp; WEF, 24<sup>th</sup> ed., 2023, part 2540 C</p> <p>In - house method : TM-LA-004 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA &amp; WEF, 24<sup>th</sup> ed., 2023, part 3120 B, 3030 E</p>

Initial Issue Date 30<sup>th</sup> September 2015

Issue Number 7

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

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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 (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 <sup>th</sup> 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 <sup>th</sup> ed., 2023, part 2540 D  Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 <sup>th</sup> ed., 2023, part 2540 C

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
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 <sup>th</sup> 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 <sup>th</sup> ed., 2023, part 4500-N <sub>org</sub> 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 <sup>th</sup> ed., 2023, part 3120 B, 3030 E
		- Copper 0.01 mg/L to 2.0 mg/L	

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
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 <sup>th</sup> 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)

Issue Date : 13<sup>th</sup> February 2024

Signature : *Chantarat Vorasapavit*  
(Mrs. Chantarat Vorasapavit)

Director of Bureau of Laboratory Accreditation

Initial Issue Date 30<sup>th</sup> September 2015

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