

Name of Laboratory : Liquid Purification Engineering International Co., Ltd.
Address : 68/102 Moo 6, Tambon Saothonghin, Amphoe Bangyai,
Changwat Nonthaburi 11140
Accreditation Number : Testing - 0146
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Expired date : 16th June 2026
Standard : ISO/IEC 17025:2017
Reference No. : 0303/6441

Scope of Laboratory Accreditation

Laboratory Name : Liquid Purification Engineering International Co., Ltd.

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Laboratory Status : Permanent Site Temporary Mobile

Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1	Water	<p>- pH 4.0 to 10.0</p> <p>- Total hardness (Calculated as CaCO₃) 4.0 mg/L to 1 000 mg/L</p> <p>- Chloride 5.0 mg/L to 1 000 mg/L</p>	<p>In - house method : WI-TM-702-01 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-H⁺ B</p> <p>Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C</p> <p>Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl⁻ B</p>

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1 (cont.)	Water	- Iron 0.02 mg/L to 4.0 mg/L	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 rd ed., 2017, part 3500-Fe B
		- Manganese 0.02 mg/L to 4.0 mg/L	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 rd ed., 2017, part 3500-Mn B
		- Sulfate (Calculated as SO ₄ ²⁻) 5.00 mg/L to 500 mg/L	In – house method : WI-TM-702-06 based on ASTM D516-16

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2	Wastewater	- pH 4.0 to 10.0	In - house method : WI-TM-702-01 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 rd ed., 2017, part 4500-H ⁺ B

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