



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

KEPPEL SEGHERS ENGINEERING SINGAPORE PTE LTD.  
(Doha North Sewage Treatment Works)  
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Doha, Qatar  
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CHEMICAL

Valid To: September 30, 2020

Certificate Number: 4937.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on sludge, water, and waste water:

<u>Test</u>	<u>Test Method(s)</u>
Biochemical Oxygen Demand (BOD) 5 day	APHA 5210 B
Chemical Oxygen Demand (COD)	HACH 8000
Conductivity at 25°C	APHA 2510 B
Dissolved Oxygen	APHA 4500-O G
Metals by Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) Method:  Analytes/Metals: (1) Arsenic (2) Cadmium (3) Copper (4) Lead (5) Nickel (6) Selenium (7) Zinc (8) Chromium (9) Molybdenum	EPA 6020B APHA 3125B
Nitrogen, Ammonia	HACH 8038
Nitrogen, Nitrate	HACH 10206

<u>Test</u>	<u>Test Method(s)</u>
Nitrogen, Nitrite	HACH 8507
Nitrogen, Total	HACH 10071/10072
Nitrogen, Total Kjeldahl	HACH 10242
pH	APHA 4500-H <sup>+</sup> B
Solids (Dissolved) at 180°C	APHA 2540 C
Solids (Total)	APHA 2540 B
Suspended Solids	APHA 2540 D
Total Phosphorus	HACH 8190
Total Solids	APHA 2540 G
Turbidity	APHA 2130 B

BIOLOGICAL

<u>Test</u>	<u>Test Method</u>
Fecal Coliform	APHA 9222 D
Total Coliform	APHA 9222 B
Intestinal Nematodes	WHO 1996
Enteric virus	RT-PCR (WI-DNSTW-PCQA-LAB-121)
Giardia	RT-PCR (WI-DNSTW-PCQA-LAB-120)





## Accredited Laboratory

A2LA has accredited

**KEPPEL SEGHERS ENGINEERING SINGAPORE PTE LTD.**

*Doha, QATAR*

for technical competence in the field of

**Chemical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 24<sup>th</sup> day of September 2018.

A handwritten signature in blue ink, positioned above a horizontal line.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 4937.01  
Valid to September 30, 2020  
Revised on November 21, 2019

*For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.*