



## Analysis / Test Report

**Client** : Gulf JP UT Co., Ltd.  
999 Moo 1, Ban Chang, Uthai, Pranakhonsiyutthaya Thailand 13210  
**P/O** : สัญญาเลขที่4600001481  
**Project Name** : Monitoring EIA  
**Project Location** : GUT

**Lot ID: 2215545**

Date Received : Mar 07, 2022

Date Reported : Mar 24, 2022

Report Number : 2222573-1

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<b>Sample Number</b>	2215545-1
<b>Sampled Date</b>	Mar 07, 2022 10:05 AM
<b>Sample Description</b>	Cooling water
<b>Location</b>	Cooling Tower 1 : น้ำ CW Make up
<b>Date Analysis Commenced</b>	Mar 08, 2022
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
<i>Legionella spp.</i>	CFU/L	-	-	Not Detected**	Not Detected	ISO 11731 (2017)	Bangkok

**Guideline** : Notification of Department of Health about Legionella Control in Cooling Tower.

**Note** : \*\* Not Detected mean Bacteria not found in agar plate.

**Sampled By** : Teerawat Puangsuk

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Tuanjai Thangklang  
Assistant Manager



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**Sample Number** 2215545-2  
**Sampled Date** Mar 07, 2022 9:50 AM  
**Sample Description** Cooling water  
**Location** Cooling Tower 1 : น้ำใน CW Basin  
**Date Analysis Commenced** Mar 08, 2022  
**Condition of Sample** Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
<i>Legionella spp.</i>	CFU/L	-	-	Not Detected**	Not Detected	ISO 11731 (2017)	Bangkok

**Guideline** : Notification of Department of Health about Legionella Control in Cooling Tower.

**Note** : \*\* Not Detected mean Bacteria not found in agar plate.

**Sampled By** : Teerawat Puangsuk

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**Lot ID: 2215545**

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**Sample Number** 2215545-3  
**Sampled Date** Mar 07, 2022 9:35 AM  
**Sample Description** Cooling water  
**Location** Cooling Tower 1 : น้ำ CW Blowdown  
**Date Analysis Commenced** Mar 08, 2022  
**Condition of Sample** Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
<i>Legionella spp.</i>	CFU/L	-	-	Not Detected**	Not Detected	ISO 11731 (2017)	Bangkok

**Guideline** : Notification of Department of Health about Legionella Control in Cooling Tower.

**Note** : \*\* Not Detected mean Bacteria not found in agar plate.

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**Project Location:** GUT

**Lot ID: 2215545**

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**Sample Number** 2215545-4  
**Sampled Date** Mar 07, 2022 9:30 AM  
**Sample Description** Cooling water  
**Location** Cooling Tower 2 : น้ำ CW Make up  
**Date Analysis Commenced** Mar 08, 2022  
**Condition of Sample** Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
<i>Legionella spp.</i>	CFU/L	-	-	Not Detected**	Not Detected	ISO 11731 (2017)	Bangkok

**Guideline :** Notification of Department of Health about Legionella Control in Cooling Tower.

**Note :** \*\* Not Detected mean Bacteria not found in agar plate.

**Sampled By :** Teerawat Puangsuk

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<b>Sample Number</b>	2215545-5
<b>Sampled Date</b>	Mar 07, 2022 10:00 AM
<b>Sample Description</b>	Cooling water
<b>Location</b>	Cooling Tower 2 : น้ำใน CW Basin
<b>Date Analysis Commenced</b>	Mar 08, 2022
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
<i>Legionella spp.</i>	CFU/L	-	-	Not Detected**	Not Detected	ISO 11731 (2017)	Bangkok

**Guideline** : Notification of Department of Health about Legionella Control in Cooling Tower.

**Note** : \*\* Not Detected mean Bacteria not found in agar plate.

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**Sample Number** 2215545-6  
**Sampled Date** Mar 07, 2022 9:35 AM  
**Sample Description** Cooling water  
**Location** Cooling Tower 2 : น้ำ CW Blowdown  
**Date Analysis Commenced** Mar 08, 2022  
**Condition of Sample** Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
<i>Legionella spp.</i>	CFU/L	-	-	Not Detected**	Not Detected	ISO 11731 (2017)	Bangkok

**Guideline** : Notification of Department of Health about Legionella Control in Cooling Tower.

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