**Visual Cell Test Log File**

**Test No:** 2nd Test

**Description:**

Testing strength of BIOS2 in reservoir temperature (80) and also investigating its behavior in contact with BALAL’s crude oil and NaCl 200k ppm brine

**Date:** 1/22/2023

**Time:** 15:00 PM

**Number of Samples:** 3

**Samples:**

Pure BIOS2 solution, BIOS2 + Crude Oil, 200k ppm NaCl+ BIOS2 + Crude Oil

**Sample Preparation:**

Mixtures were prepared with equal volume ratio and total volume of 100 ml and were stirred for 5 min.

**Log:**

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| **No.** | **Date** | **Time** | **Description** |
| **1** | 1/22/2023 | 09:00 | Cells were washed with tap water, toluene, methanol (methanol showed  great performance) and once again with tap water respectively, then were dried using N2 gas |
| **2** | 1/22/2023 | 14:00 | Lines were washed with tap water and dried with N2 gas |
| **3** | 1/22/2023 | 15:00 | Setup was prepared and cylinders were filled and ventilated |
| **4** | 1/22/2023 | 15:00 | Start of the test with filling the cells |
| **5** | 1/22/2023 | 16:30 | Cells were filled and ventilated, oven’s temperature was set to 80 |
| **6** | 1/23/2023 | 08:30 | Cells were checked and pictures were taken that is presented in a file named “[Aqueous Stability Tests-T2.docx](Aqueous%20Stability%20Tests-T2.docx)” |