

Certificate of Analysis

Sampling Date: 28/03/2017

Sampling Time: 09:00

Sampling Point: HERO Reject to ZLD.

Group: C

**89% of feed to the Brine
concentrator (falling film
evaporator).**

S.N	Analysis item	Unit	Value	Reference
1	pH	-	10.3	ASTM D 1293
2	TSS	mg/L	11	APHA 2540 D
3	TDS	mg/L	18020	APHA 2540 C
4	Chloride	mg/L	10218	ASTM D 512
5	Silica	mg/L	27.4	ASTM D 859
6	Sulphate	mg/L	3806	ASTM D 516
7	M-Alkalinity	mg/L	540	APHA 2320

Analysed by:

Ch. Mohamed El-Sayed

Certificate of Analysis

Sampling Date: 28/03/2017

Sampling time: 09:00

Sampling point: Softener Regeneration Waste Tank to ZLD

Group: C

**11% of feed to the Brine
concentrator (falling film
evaporator).**

S.N	Analysis item	Unit	Value	Reference
1	pH	-	7.8	ASTM D 1293
2	TSS	mg / L	12	APHA 2540 D
3	TDS	mg / L	31455	APHA 2540 C
4	Chloride	mg / L	17021	ASTM D 512
5	Ca – Hardness	mg / L	8400	ASTM D 511
6	Mg - Hardness	mg / L	7500	ASTM D 511
7	Silica	mg / L	0.9	ASTM D 859
8	Sulphate	mg / L	290	ASTM D 516
9	M- Alkalinity	mg / L	90	APHA 2320

Analysed by:

Ch. Mohamed El-Sayed