

ParaFlow™

Solution Analysis Report

Customer Name	DuPont Experimental Stn	Sample Drawn	Oct 4,2016
Unit Model No.	YPC22G46CXA	Report Date	Oct 17,2016
Unit Serial No.	GADM233620 #3	Report Number	R18796
Sample Received	Oct 11,2016	PO Number	1-41018275797

Inhibitor Type: Molybdate

	<u>Sample Data</u>	<u>Allowable Range</u> <small>(Based on 55% LiBr)</small>	<u>Converted Data</u> <small>(Sample data converted to 55%)</small>
Sample Concentration	52.93 % LiBr		55.00 % LiBr
Sample Specific Gravity	1.579 at 75°F		1.620 at 75°F
Lithium Molybdate Inhibitor	184 mg/l	225-325	196 mg/l
Alkalinity (Lithium Hydroxide)	0.152 N	0.14-0.22	0.162 N
Dissolved Copper	45 mg/l	0-100	48 mg/l
Ammonia	104 mg/l	0-100	111 mg/l
Lithium Nitrate	26 mg/l		28 mg/l

Corrections Necessary

Lithium Molybdate Inhibitor	Add .000080 lbs. of solid Li ₂ MoO ₄ per lb. of solution in the unit OR Add .000025 gals of 30% Li ₂ MoO ₄ solution per lb. of solution in the unit.
Lithium Hydroxide	No
Copper Removal	No
Ammonia Removal	Yes Consult York Factory Service

Data included in this report are the result of only one solution sample. If there is a drastic change in any parameter as compared with the last sample result, prior to adding chemicals or performing Copper or Ammonia Removal, it may be advisable to resample. The best method of preventing problems due to improper solution chemistry is by taking regular samples and trending the sample data. Maintaining proper Solution Chemistry is critical to the life of your ParaFlow Unit. **York Factory Service** is factory trained and authorized to perform the necessary chemical additions and adjustments required to keep your unit operable and reliable.