

ParaFlow™ Solution Analysis Report

Customer Name	DuPont Experimental Stn	Sample Drawn	Aug 16,2017
Unit Model No.	YPCST22G46CXA	Report Date	Aug 22,2017
Unit Serial No.	GNCM94230017 #4	Report Number	R17361
Sample Received	Aug 21,2017	PO Number	1-54557585071

Inhibitor Type: **Molybdate**

	<u>Sample Data</u>	<u>Allowable Range</u> (Based on 55% LiBr)	<u>Converted Data</u> (Sample data converted to 55%)
Sample Concentration	51.10 % LiBr		55.00 % LiBr
Sample Specific Gravity	1.547 at 75°F		1.620 at 75°F
Lithium Molybdate Inhibitor	179 mg/l	225-325	202 mg/l
Alkalinity (Lithium Hydroxide)	0.143 N	0.14-0.22	0.161 N
Dissolved Copper	22 mg/l	0-100	25 mg/l
Ammonia	56 mg/l	0-100	63 mg/l
Lithium Nitrate	95 mg/l		107 mg/l

Corrections Necessary

Lithium Molybdate Inhibitor	Add .000076 lbs. of solid Li ₂ MoO ₄ per lb. of solution in the unit OR Add .000024 gals of 30% Li ₂ MoO ₄ solution per lb. of solution in the unit.
Lithium Hydroxide	No
Copper Removal	No
Ammonia Removal	No

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.