

## ParaFlow™ Solution Analysis Report

|                        |                         |                      |               |
|------------------------|-------------------------|----------------------|---------------|
| <b>Customer Name</b>   | DuPont Experimental Stn | <b>Sample Drawn</b>  | May 25,2017   |
| <b>Unit Model No.</b>  | YPCST22G46CXA           | <b>Report Date</b>   | Jun 7,2017    |
| <b>Unit Serial No.</b> | GBDM248980 #2           | <b>Report Number</b> | R18638        |
| <b>Sample Received</b> | Jun 1,2017              | <b>PO Number</b>     | 1-50034091764 |

**Inhibitor Type:** Molybdate

|                                       | <u>Sample Data</u> | <u>Allowable Range</u><br><small>(Based on 55% LiBr)</small> | <u>Converted Data</u><br><small>(Sample data converted to 55%)</small> |
|---------------------------------------|--------------------|--|--|
| <b>Sample Concentration</b>           | 54.57 % LiBr       |  | 55.00 % LiBr   |
| <b>Sample Specific Gravity</b>        | 1.609 at 75°F      |  | 1.620 at 75°F  |
| <b>Lithium Molybdate Inhibitor</b>    | 193 mg/l           | 225-325  | 196 mg/l   |
| <b>Alkalinity (Lithium Hydroxide)</b> | 0.170 N            | 0.14-0.22  | 0.173 N  |
| <b>Dissolved Copper</b>               | 50 mg/l            | 0-100  | 51 mg/l  |
| <b>Ammonia</b>                        | 58 mg/l            | 0-100  | 59 mg/l  |
| <b>Lithium Nitrate</b>                | 73 mg/l            |  | 74 mg/l  |

### Corrections Necessary

|                                    |   |
|------------------------------------|---|
| <b>Lithium Molybdate Inhibitor</b> | Add .000080 lbs. of solid Li <sub>2</sub> MoO <sub>4</sub> per lb. of solution in the unit OR<br>Add .000025 gals of 30% Li <sub>2</sub> MoO <sub>4</sub> solution per lb. of solution in the unit. |
| <b>Lithium Hydroxide</b>           | No  |
| <b>Copper Removal</b>              | No  |
| <b>Ammonia Removal</b>             | 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.