# ParaFlow™
## Solution Analysis Report

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|---|---|---|---|
| **Customer Name** | DuPont Experimental Stn | **Sample Drawn** | Jun 20,2007 |
| **Unit Model No.** | YPCST22G46CXA | **Report Date** | Jul 6,2007 |
| **Unit Serial No.** | GBDM248980 #2 | **Report Number** | R8768 |
| **Sample Received** | Jun 28,2007 | **PO Number** | 2338793 |

**Inhibitor Type:** **Molybdate**

| | Sample Data | Allowable Range (Based on 55% LiBr) | Converted Data (Sample data converted to 55%) |
|---|---|---|---|
| **Sample Concentration** | **54.50** % LiBr | | **55.00** % LiBr |
| **Sample Specific Gravity** | **1.608** at 75°F | | **1.620** at 75°F |
| **Lithium Molybdate Inhibitor** | **134** mg/l | **225-325** | **136** mg/l |
| **Alkalinity** (Lithium Hydroxide) | **0.145** N | **0.14-0.22** | **0.147** N |
| **Dissolved Copper** | **30** mg/l | **0-50** | **31** mg/l |
| **Ammonia** | **38** mg/l | **0-100** | **39** mg/l |
| **Lithium Nitrate** | **3** mg/l | | **3** mg/l |

## Corrections Necessary

| | |
|---|---|
| **Lithium Molybdate Inhibitor** | Add .000117 lbs. of solid Li2MoO4 per lb. of solution in the unit OR<br>Add .000036 gals of 30% Li2MoO4 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.

# ParaFlow™
## Solution Analysis Report

| | | | |
|---|---|---|---|
| **Customer Name** | DuPont Experimental Stn | **Sample Drawn** | Sep 25,2007 |
| **Unit Model No.** | YPCST22G46CXA | **Report Date** | Oct 25,2007 |
| **Unit Serial No.** | GBDM248980 #2 | **Report Number** | R8778 |
| **Sample Received** | Oct 18,2007 | **PO Number** | 2440277 |

**Inhibitor Type:** **Molybdate**

| | Sample Data | Allowable Range (Based on 55% LiBr) | Converted Data (Sample data converted to 55%) |
|---|---|---|---|
| **Sample Concentration** | **52.69** % LiBr | | **55.00** % LiBr |
| **Sample Specific Gravity** | **1.575** at 75°F | | **1.620** at 75°F |
| **Lithium Molybdate Inhibitor** | **175** mg/l | **225-325** | **188** mg/l |
| **Alkalinity** (Lithium Hydroxide) | **0.149** N | **0.14-0.22** | **0.160** N |
| **Dissolved Copper** | **0** mg/l | **0-50** | **0** mg/l |
| **Ammonia** | **66** mg/l | **0-100** | **71** mg/l |
| **Lithium Nitrate** | **2** mg/l | | **2** mg/l |

## Corrections Necessary

| | |
|---|---|
| **Lithium Molybdate Inhibitor** | Add .000085 lbs. of solid Li2MoO4 per lb. of solution in the unit OR<br>Add .000026 gals of 30% Li2MoO4 solution per lb. of solution in the uni |
| **Lithium Hydroxide** | No |
| **Copper Removal** | No |
| **Ammonia Removal** | No |

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## Solution Analysis Report

| | | | |
|---|---|---|---|
| **Customer Name** | DuPont Experimental Stn | **Sample Drawn** | Jun 6,2008 |
| **Unit Model No.** | YPCST22G46CXA | **Report Date** | Jun 27,2008 |
| **Unit Serial No.** | GBDM248980 #2 | **Report Number** | R11202 |
| **Sample Received** | Jun 26,2008 | **PO Number** | 2657976 |

**Inhibitor Type:** **Molybdate**

| | Sample Data | Allowable Range (Based on 55% LiBr) | Converted Data (Sample data converted to 55%) |
|---|---|---|---|
| **Sample Concentration** | **54.84** % LiBr | | **55.00** % LiBr |
| **Sample Specific Gravity** | **1.614** at 75°F | | **1.620** at 75°F |
| **Lithium Molybdate Inhibitor** | **271** mg/l | **225-325** | **273** mg/l |
| **Alkalinity** (Lithium Hydroxide) | **0.171** N | **0.14-0.22** | **0.172** N |
| **Dissolved Copper** | **8** mg/l | **0-50** | **8** mg/l |
| **Ammonia** | **29** mg/l | **0-100** | **29** mg/l |
| **Lithium Nitrate** | **47** mg/l | | **47** mg/l |

## Corrections Necessary

| | |
|---|---|
| **Lithium Molybdate Inhibitor** | No |
| **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.