

# ParaFlow™

## Solution Analysis Report

<b>Customer Name</b>	DuPont Experimental Stn	<b>Sample Drawn</b>	Jun 19,2008
<b>Unit Model No.</b>	YPCST22G46CXA	<b>Report Date</b>	Jun 30,2008
<b>Unit Serial No.</b>	GLCM157836	<b>Report Number</b>	R11726
<b>Sample Received</b>	Jun 23,2008	<b>PO Number</b>	2667398

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>
<b>Sample Concentration</b>	<b>48.02</b> % LiBr		<b>55.00</b> % LiBr
<b>Sample Specific Gravity</b>	<b>1.496</b> at 75°F		<b>1.620</b> at 75°F
<b>Lithium Molybdate Inhibitor</b>	<b>312</b> mg/l	<b>225-325</b>	<b>387</b> mg/l
<b>Alkalinity (Lithium Hydroxide)</b>	<b>0.172</b> N	<b>0.14-0.22</b>	<b>0.213</b> N
<b>Dissolved Copper</b>	<b>0</b> mg/l	<b>0-50</b>	<b>0</b> mg/l
<b>Ammonia</b>	<b>63</b> mg/l	<b>0-100</b>	<b>78</b> mg/l
<b>Lithium Nitrate</b>	<b>73</b> mg/l		<b>91</b> mg/l

### Corrections Necessary

<b>Lithium Molybdate Inhibitor</b>	No
<b>Lithium Hydroxide</b>	No
<b>Copper Removal</b>	No
<b>Ammonia Removal</b>	No

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## Solution Analysis Report

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

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>
<b>Sample Concentration</b>	<b>54.84</b> % LiBr		<b>55.00</b> % LiBr
<b>Sample Specific Gravity</b>	<b>1.614</b> at 75°F		<b>1.620</b> at 75°F
<b>Lithium Molybdate Inhibitor</b>	<b>271</b> mg/l	<b>225-325</b>	<b>273</b> mg/l
<b>Alkalinity (Lithium Hydroxide)</b>	<b>0.171</b> N	<b>0.14-0.22</b>	<b>0.172</b> N
<b>Dissolved Copper</b>	<b>8</b> mg/l	<b>0-50</b>	<b>8</b> mg/l
<b>Ammonia</b>	<b>29</b> mg/l	<b>0-100</b>	<b>29</b> mg/l
<b>Lithium Nitrate</b>	<b>47</b> mg/l		<b>47</b> mg/l

### Corrections Necessary

<b>Lithium Molybdate Inhibitor</b>	No
<b>Lithium Hydroxide</b>	No
<b>Copper Removal</b>	No
<b>Ammonia Removal</b>	No

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## Solution Analysis Report

<b>Customer Name</b>	DuPont Experimental Stn	<b>Sample Drawn</b>	Jun 19,2008
<b>Unit Model No.</b>	YPC22G46CXA	<b>Report Date</b>	Jun 30,2008
<b>Unit Serial No.</b>	GADM233620 #3	<b>Report Number</b>	R11786
<b>Sample Received</b>	Jun 23,2008	<b>PO Number</b>	2667398

**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>
<b>Sample Concentration</b>	52.10 % LiBr		55.00 % LiBr
<b>Sample Specific Gravity</b>	1.564 at 75°F		1.620 at 75°F
<b>Lithium Molybdate Inhibitor</b>	212 mg/l	225-325	232 mg/l
<b>Alkalinity (Lithium Hydroxide)</b>	0.142 N	0.14-0.22	0.155 N
<b>Dissolved Copper</b>	0 mg/l	0-50	0 mg/l
<b>Ammonia</b>	87 mg/l	0-100	95 mg/l
<b>Lithium Nitrate</b>	74 mg/l		81 mg/l

### Corrections Necessary

<b>Lithium Molybdate Inhibitor</b>	No
<b>Lithium Hydroxide</b>	No
<b>Copper Removal</b>	No
<b>Ammonia Removal</b>	No

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## Solution Analysis Report

<b>Customer Name</b>	DuPont Experimental Stn	<b>Sample Drawn</b>	Jun 19,2008
<b>Unit Model No.</b>	YPCST22G46CXA	<b>Report Date</b>	Jun 30,2008
<b>Unit Serial No.</b>	GNCM94230017 #4	<b>Report Number</b>	R11775
<b>Sample Received</b>	Jun 23,2008	<b>PO Number</b>	2667398

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>
<b>Sample Concentration</b>	<b>48.33</b> % LiBr		<b>55.00</b> % LiBr
<b>Sample Specific Gravity</b>	<b>1.501</b> at 75°F		<b>1.620</b> at 75°F
<b>Lithium Molybdate Inhibitor</b>	<b>375</b> mg/l	<b>225-325</b>	<b>461</b> mg/l
<b>Alkalinity (Lithium Hydroxide)</b>	<b>0.130</b> N	<b>0.14-0.22</b>	<b>0.160</b> N
<b>Dissolved Copper</b>	<b>30</b> mg/l	<b>0-50</b>	<b>37</b> mg/l
<b>Ammonia</b>	<b>70</b> mg/l	<b>0-100</b>	<b>86</b> mg/l
<b>Lithium Nitrate</b>	<b>74</b> mg/l		<b>91</b> mg/l

### Corrections Necessary

<b>Lithium Molybdate Inhibitor</b>	No
<b>Lithium Hydroxide</b>	No
<b>Copper Removal</b>	No
<b>Ammonia Removal</b>	No

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