

<b>M.I. NO.</b> 62150	<b>COMPOUNDING INSTRUCTIONS:</b> 6 Molar Hydrochloric Acid (HCl)		<b>STD. YIELD</b>
<b>LOT NO.</b> XXXX -	<b>EFFECTIVE DATE</b> <b>DRAFT</b>	<b>SUPERSEDES</b> NEW	<b>ACTUAL YIELD</b>

QA Issued By \_\_\_\_\_ Date \_\_\_\_\_

### HAZARD COMMUNICATION:

#### Hydrochloric Acid, 6M

<b>DANGER:</b>	CORROSIVE. AVOID CONTACT WITH SKIN AND EYES. AVOID INHALATION OF VAPOR AND MIST. <u>DO NOT</u> MIX WITH CAUSTICS OR OTHER REACTIVES.
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#### Water For Injection

<b>WARNING:</b>	HOT. WFI IS MAINTAINED AT A TEMPERATURE OF 80°-95°C. TAKE NECESSARY PRECAUTIONS TO AVOID SKIN CONTACT AS BURNING MAY OCCUR. WEAR PROTECTIVE GLOVES WHILE PERFORMING PREVENTIVE MAINTENANCE ON THE STILL, TANKS AND PIPING OR HANDLING THE WATER IN PRODUCTION.
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\*\*\* APPROVALS \*\*\*

	Development	Manufacturing	Operations	Quality Assurance
By	<i>Joe Beaker</i>	<b>Mary Erhlenmeyer</b>	Nick Translation	<i>Megan Codon</i>
Date	<i>5/6/99</i>	<i>7/2/99</i>	<i>7/1/99</i>	<i>6/3/99</i>

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**PROCEDURE**

1. Into a clean, calibrated container, collect approximately 100 L of water for injection (WFI) and cover the container. Let cool to ambient temperature.

Vessel ID \_\_\_\_\_ Wagner 6253  
 Amt WFI Collected \_\_\_\_\_ 102 \_\_\_\_\_ L  
 Collected By \_\_\_\_\_ JDS  
 Date/Time \_\_\_\_\_ 7/25/00 /1:30 \_\_\_\_\_ AM/PM  
 Temperature at Collection \_\_\_\_\_  
 Verified By \_\_\_\_\_ PDS

2. **Slowly** add 200 L (236kg) of 36-38% [~12 M] HCl into the vessel containing the WFI and stir slowly.

Temperature of WFI \_\_\_\_\_ 82° F  
 Rec # HCl \_\_\_\_\_ Good Chem 55624  
 Balance ID \_\_\_\_\_ Bettler 20000K  
 Amt Weighed \_\_\_\_\_ 236 kg  
 Weighed By \_\_\_\_\_ JDS  
 Date/Time \_\_\_\_\_ 7/25/00 /1:47 \_\_\_\_\_ AM/PM  
 Weight/Volume Verified By \_\_\_\_\_ PDS

Ambient Temperature \_\_\_\_\_ 70° F  
 HCl Added By \_\_\_\_\_ JDS  
 Date/Time \_\_\_\_\_ 7/25/00 /2:32 \_\_\_\_\_ AM/PM  
 Addition Verified By \_\_\_\_\_ PDS  
 Volume \_\_\_\_\_ 298 \_\_\_\_\_ L

**NOTE: Collected water must be used.**

3. QS with WFI to 400 L. Add WFI slowly.

\* Amt WFI Added \_\_\_\_\_ 158 \_\_\_\_\_ L  
 Added By \_\_\_\_\_ JDS  
 Date/Time \_\_\_\_\_ 7/25/00 /3:55 \_\_\_\_\_ AM/PM  
 Final Vol in Container \_\_\_\_\_ 400 \_\_\_\_\_ L  
 Verified By \_\_\_\_\_

(\* Final Volume - Volume at end of **Step 2.**)

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4. Complete vessel identification tag as follows and attach to tank.

<p style="text-align: center;"><b>HCl 6M</b></p> <p style="text-align: center;">ID# <u>72500A</u></p> <p style="text-align: center;">Date Compounded:</p> <p style="text-align: center;"><u>7/25/00</u></p> <p style="text-align: center;">Compounded By:</p> <p style="text-align: center;"><u>James B. Dalton</u></p> <p style="text-align: center;"><b>EXPIRY:</b> <b>30 days from compounding</b></p>
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QA Reviewed By Peter D. Sodium

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