

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

QA Issued By _____ Date _____

HAZARD COMMUNICATION:

Hydrochloric Acid, 6M

DANGER:	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

WARNING:	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>	Mary Erhlenmeyer	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

AM/PM not circled

Temperature not recorded

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

Temperature not at ambient

Time 1:47 pm
before previous
time of 2:32 pm

NOTE: Collected water must be used.

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

Calculation not correct 400L-
298L=102L

No final verification

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

QA Reviewed By Peter D. Sodium

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