

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.
----------------	--

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.
-----------------	--

*** 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>

CONFIDENTIAL

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

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 _____
 Amt WFI Collected _____ L
 Collected By _____
 Date/Time _____ / _____ AM/PM
 Temperature at Collection _____
 Verified By _____

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

Temperature of WFI _____ Ambient Temperature _____
 Rec # HCl _____ HCl Added By _____
 Balance ID _____ Date/Time _____ / _____ AM/PM
 Amt Weighed _____ Addition Verified By _____
 Weighed By _____ Volume _____ L
 Date/Time _____ / _____ AM/PM
 Weight/Volume Verified By _____

NOTE: Collected water must be used.

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

* Amt WFI Added _____ L
 Added By _____
 Date/Time _____ / _____ AM/PM
 Final Vol in Container _____ L
 Verified By _____

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

CONFIDENTIAL

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

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

<p style="text-align: center;">HCl 6M</p> <p>ID# _____</p> <p>Date Compounded:</p> <p>_____</p> <p>Compounded By:</p> <p>_____</p> <p style="text-align: center;">EXPIRY: 30 days from compounding</p>

QA Reviewed By _____

CONFIDENTIAL