

X Y G 23000
B3-6770

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by ALLOY FAB, INC., 200 RYAN ST., SO. PLAINFIELD, N.J.
(Name and address of manufacturer)

2. Manufactured for HOFFMANN-LA ROCHE, BELVIDERE, N.J.
(Name and address of purchaser)

3. Location of installation HOFFMANN-LA ROCHE, BELVIDERE, N.J.
(Name and address)

4. Type HORIZONTAL 3569 -- D-2319-B 2304 1994
(Horiz. or vert., tank) (Mfr's serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1992
to 1993 -- NONE
(Addenda (Date)) (Code Case Nos.) (Special Service per UG-120(d))

* 6. Shell: SA240316L .375 0 6'-11 1/2" 9'-8"
(Matl. (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: WLD, DBL BUTT -- 70 -- WLD, DBL BUTT -- 1
(Long. (Welded, Dbl., Sngl., Lap, Butt)) (R.T. (Spot or Full)) (Eff. (%)) (H.T. Temp. (°F)) (Time (hr)) (Girth (Welded, Dbl., Sngl., Lap, Butt)) (R.T. (Spot, Partial, or Full)) (No. of Courses)

8. Heads: (a) Matl. SA240316L (b) Matl. --
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	ENDS	.3125"	0	84"	5.75	--	--	--	--	CONVEX &
(b)										CONCAVE

If removable, bolts used (describe other fastenings) --
(Matl., Spec. No., Gr., Size, No.)

9. MAWP FV/30 psi at max. temp. 300 °F
Min. design metal temp. -20 °F at 30 psi. Hydro., pneu., or other test pressure 47 psi.

10. Nozzles, inspection and safety valve openings: SAFETY VALVE ELSEWHERE IN SYSTEM

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	** How Attached	Location
MANWAY	1	24"-30#	RING	SA240316L	.375"	SA240304	WELDED	SHELL
DIP PIPE	4	4"-150#	L.J.	SA312TP316L	SCH 40	SA240304	WELDED	--
PROCESS	5	3"-150#	L.J.	SA312TP316L	SCH 40	--	WELDED	--
AGIT. MT.	2	6"-150#	S.O.	SA312TP316L	SCH 40	SA240304	WELDED	--

11. Supports: Skirt -- Lugs -- Legs 4 Other -- Attached SHELL WELDED
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: --
(Name of part, item number, Mfr's name and identifying stamp)

VESSEL TO BE USED AS A 3000 GAL. FEED TANK IN A CHEMICAL PROCESS

P.O. #BBRN49090; ITEM #B3-6770; EQ:#XYG23000; VESSEL EXEMPT FROM IMPACT TEST PER UHA-51(A)

**NO NONDESTRUCTIVE EXAMINATIONS WERE PERFORMED ON CAT. C & D WELDS

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 7130 expires JAN. 31, 1996
Date 5/12/94 Co. name ALLOY FAB, INC. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by ALLOY FAB, INC. at SO PLAINFIELD,
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of NEW JERSEY and employed by COMMERCIAL UNION INSURANCE CO., BOSTON, MASS.
have inspected the component described in this Manufacturer's Data Report on 5/12, 1994, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Date 5/12/94 Signed [Signature] Commissions NB7169, B. NJ 496
(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov. and No.)