

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

1. Manufactured and certified by **Cataract Steel Industries 22nd & Allen Ave. Niagara Falls N.Y. 14303** 114170
(Name and address of manufacturer)
2. Manufactured for **ARCH CHEMICALS, INC., 1955 LAKE PARK DRIVE,**
(Name and address of purchaser)
3. Location of installation **UNKNOWN, MANUFACTURED FOR RESALE**
(Name and address)
4. Type: **Vertical** **V-CL-131** **AC-20633-SETT REV.5** **3407** **2006**
(Horiz. or vert., tank) (Mfrs 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 **2004**
to **2005**
Addenda (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell: **SA-240 gr 2205** **.500"** **1/4"** **3'-11"** **9'-8 1/2"**
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams: **Single Butt** **Spot** **85%** **800** **5** **Sngl. Butt tp3** **85%** **1**
Long. (Welded, Dbl., R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) No. of Courses
8. Heads: (a) Matl. **SA-240 gr 2205** (b) Matl. **SA-240 gr 2205**
(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)	Top	.4375"	1/4"	----	----	2:1	----	----	----	Concave
(b)	Bottom	.4375"	1/4"	----	----	2:1	----	----	----	Concave

If removable, bolts used (describe other fastenings)

9. MAWP: **100** **15** **(Matl., Spec. No., Gr., Size, No.)**
(internal) (external) psi at max. temp. **450** **AMBIENT** °F
Min. design metal temp. **-20** of at **100** psi Hydro., pneu., or comb. test pressure **Hydrostatic** **130** psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
A	1	4"	CL150FLG.	SA182F 316L	.438"	----	UW16.1(c)	----
B	1	6"	CL150FLG.	SA182F 316L	.432"	----	UW16.1(c)	----
C-D-S-T	4	3"	CL150FLG.	SA182F 316L	.438"	----	UW16.1(c)	----
E-H-	2	2"	CL150FLG.	SA182F 316L	.436"	----	UW16.1(c)	----
F	1	10"	CL150FLG.	SA182F 316L	.500"	----	UW16.1(c)	----
G	1	12"	CL150FLG.	SA182F 316L	.406"	----	UW16.1(c)	----
M	1	24"	CL150FLG.	SA182F 316L	.968"	----	UW16.1(c)	----

11. Supports: Skirt **No** Lugs **2** Legs **4** Other **"M" Davit arm** Attached **top-sides 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)

CERTIFICATE OF SHOP/FIELD 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. **23,363** expires **April 11, 2009**

Date **01/25/2007** Co. name **Cataract Steel Industries** Signed **[Signature]**
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by **Cataract Steel Industries** at **22nd & Allen Ave. Niagara Falls N.Y. 14303**
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 York** and employed by **OneBeacon America Insurance Company Boston,** have inspected the component described in this Manufacturer's Data Report on **JAN. 25, 2007**, 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 a loss of any kind arising from or connected with this inspection.

Date **1/25/07** Signed **[Signature]** Commissions **NB7641-A NY2689 PA2515 OHIO1974**
(Authorized Inspector) [Nat'l Board (incl. endorsements) State, Prov. and No.]

Platcom 01-08A05