

100523

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
(Alternate 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 by Kennedy Tank & Mfg. Co., Inc., 833 E. Sumner Ave., Indianapolis, IN 46227
 2. Manufactured for Eli Lilly & Co., Tippecanoe Laboratories, P.O. Box 685, Lafayette, Ind.
 3. Location of Installation Eli Lilly & Co., Tippecanoe Laboratories, Lafayette, Indiana
 4. Type Vert. (Mfg's Serial No.) 4103 (CAN) 14491-0 (Drawing No.) 4103 (Nat'l Bld No.) 1981
 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 1977 and Addenda to Winter, 1979 and Code Case Nos. ---
 (Year) (Date)
 Special Service per UG-120(d) ---
 Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: ---

6. Shell: Matl. SB-209-5083-0 Nom. Thk. 3/8 in. Allow. 1/16 in. Diam. 48 in. Lgth. 5 ft 0 in.
 (Spec. No., Grade)
 7. Seams: Long. Double Butt R.T. Full Efficiency 100 % H.T. Temp. --- F Time --- hr
 (Welded, Dbl. Sngl. Lap. Butt) (Spot or Full)
 Girth Double Butt R.T. Full No. of Courses 1
 (Welded, Dbl. Sngl. Lap. Butt) (Spot, Partial, or Full)
 8. Heads: (a) Material SB-209-5083-0 (b) Material SB-209-5083-0
 (Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisph. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a)	<u>Top</u>	<u>3/16</u>	<u>1/16</u>	<u>38.4</u>	<u>2.87"</u>					<u>Concave</u>
(b)	<u>Bottom</u>	<u>3/16</u>	<u>1/16</u>	<u>38.4</u>	<u>2.87"</u>					<u>Concave</u>

If removable, bolts used (describe other fastenings) ---

9. Constructed for max. allowable working pressure 40 psi at max. temp. 100 F. Min. temp. (when less than -20 F) --- F. Hydrostatic, Pneumatic, or Combination test pressure 60 psi.
 10. Safety Valve Outlets: Number --- Size --- Location In line by customer.
 11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
<u>Full Drain</u>	<u>4</u>	<u>2"</u>	<u>Pipe</u>	<u>SB-241-6061-T6</u>	<u>Sch. 80</u>	<u>Inherent</u>	<u>Arc-weld</u>	
<u>Agitator</u>	<u>1</u>	<u>8"</u>	<u>Pipe</u>	<u>SB-241-6061-T6</u>	<u>Sch. 80</u>	<u>SB-209-5083-0</u>	<u>Arc-weld</u>	
<u>Vent</u>	<u>1</u>	<u>3"</u>	<u>Pipe</u>	<u>SB-241-6061-T6</u>	<u>Sch. 80</u>	<u>Inherent</u>	<u>Arc-weld</u>	
<u>Rupture</u>	<u>1</u>	<u>4"</u>	<u>Pipe</u>	<u>SB-241-6061-T6</u>	<u>Sch. 80</u>	<u>Inherent</u>	<u>Arc-weld</u>	
<u>I.W.</u>	<u>1</u>	<u>1"</u>	<u>Pipe</u>	<u>SB-241-6061-T6</u>	<u>Sch. 80</u>	<u>Inherent</u>	<u>Arc-weld</u>	
<u>Manway</u>	<u>1</u>	<u>18"</u>	<u>Plt.</u>	<u>SB-209-5083-0</u>	<u>3/8"</u>	<u>Inherent</u>	<u>Arc-weld</u>	<u>Head</u>

12. Supports: Skirt No Lugs No Legs 3 Other No Attached Shell, Arc-weld
 (Yes or No) (No.) (No.) (Describe) (Where and how)

13. Remarks: One (1) 500 Gal. Nitric Acid Tank

Customer's Purchase Order No. T-75241

CERTIFICATE OF 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.
 Date 1-26-81 Signed Kennedy Tank & Mfg. Co., Inc. (Manufacturer) [Signature] (Representative)

"U" Certificate of Authorization No. 131 expires March 30, 1983

CERTIFICATE OF SHOP INSPECTION

Vessel made by Kennedy Tank & Mfg. Co., Inc. at Indianapolis, Indiana

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 Indiana and employed by H.S.B. & I Co. have inspected the pressure vessel described in this Manufacturers' Data Report on 1-26-81 1981, 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 the Manufacturers' 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.

Signed [Signature] (Inspector) Date 1-26-81 E.I. Commissions N.B. 4104 (Nat'l Board, State, Province and No.)