210959

## FORM U-1 MANUFACTURERS DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 Jos. 161730

and the same of				CARLES AND REAL PROPERTY.		S 1500 # 18080 B	All Park Services with	e de la frança (de la frança de	HER THE WAS CAUSED	NAME OF TAXABLE PARTY.
1. N	fanufactured	by MAH	HING & LE	WIS ENG	Co. U	HON . M	1.070	3.3		
2. Manufactured for FIBBOTT CHEMICALS INC. BRECELOMETH, PUERTO RICO 00617										
3. Location of installation ABBOTT CHEMINALS INC. BARCESONETA, PUERTO RICO (Name and address)										
4. Type HORIZ: H.E. Vessel No. 10940 C-17398 5604 Year Suilt 1982										
B. 1	he chemical	and physic	al properties				of material s	pecifications	of the ASI	ME BOILER AND
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME SOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1980 and Addenda to 2 30 5 and Code Case no.										
Special service per UG-120(d) N-H-										
Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following										
(Name of part, item number, mfgr's name and identifying stamp)										
			for single wall							- 100
6. Shell: Material 5#63-# Nom. Thickness :175 in. Corrosion Allowance 1/6 in. Diam. 1 ft. 10 in. Length 13 ft. 978 in. (Spec No. Grade)										
7. Seams: Longitudinal Series R.T. Nove Efficiency 100 % H.T. Temp - F Time - Girth Geome R.T. No. of Courses 1										
(Ob)., Sngl.) (Spot or Full) (Ob)., Sngl.) (Spot. Partial, or Full)										
8. Heads: (a) Material (Spec No. Grade) (Spec No. Grade)										
	Location (Top, Bottom, Ends)	Alinimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Consave)
(20)							<del></del>	<del> </del>		
(6)										
. 11	removable,	bolts used	(describe oth	ner fastening	gs)					1401 2012
	wee of tests				D			c. No., Gr., Size.		August 11 of
	ype of Jacki acket Closur									scribe or sketch.
11		(Describe	as ogee & weld.	bar, etc.)	ii oai, gire o			•	outed, de	action of anetoli.
							emp. <u>350</u> F	Min. temp. (	when less th	an -20 F) F.
Hydrostatic, pneumatic, or combination test pressure 225 psi.										
Items 12 and 13 to be completed for tube sections  12. Tubesheets: Stationary Material \$200-301 Diam. 23.04 in. Nominal Thick. 1/4 in. Corrosion Allow. O in. Attachment 1/4000 (Welded, Bornet)										
Floating Material Diam. in. Nominal Thick. in. Corrosion Allow. in. Attachment										
3. 1	ubes: Mater	ial <u>50-249-30</u> (Spec. No	4-ELC O.D.	3/4_ in. No	minal Thickne	188 <u>/6</u> MAR	gauge Nun	nber 402	Тур	STRAISHT
	44 47 () 44				-1			roen		(arrangint, or "O")
			for inner cha Nominal T						O in Lengt	n - 11 10/2 in
14. Shell: Material <u>S.F.240-3.04</u> Nominal Thickness <u>/ EZS in. Corrosion Allowance O in. Diam. / ft. / O in. Length <u>ft. / O in.</u> 11. Seams:</u>										
Į	ongitudinal.	PALBUT R.T.	NONE Efficie	mcy <u>70</u> %	H.T. Temp	F Time_	Girth Geog	R.T. A	No.	of courses
(Dbl., Sngl.) (Spot or Full) (Dbl., Sngl.) (Spot. Partial or Full)  6. Heads: (a) Material SP-285-C (b) Material										
	Heads: (a) Material SR-2B5-C (b) Material (spec No., Grade)									1011 or 17
	Location (Top, Bottom, Ende)	Minimum Thickness	Corresion Allowance	Crawn Radius	Knuckle Redius	包liptical 発atio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Cancave)
(0)	END	15/8	0						23.06	FLAT
l den	f removeble	halts used	(describe ot	her feetening	ne\ 5/0 - 10 2 -	87.5/4-1	1 . (24)			100
							(Material, Spa	c. No., Gr., Size.		
			t pressure			350	F. Min. te	mp. (when les	s than -20F)	F.
			t pressure					•		the state of the s
3. 8	afety Valve (	Outlets: Num	nber	8	Size					- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
This form may be obtained from the National Board of Boiler and Pressure Vessel Inspectors, 1056 Crupper Ave., Col's., O. 43229 Ne. 28										
										Rev. 4

FORM LIT MANUE OF THE TROUBLE WINDOWS TOR PRESSURE VESSELS you have Section VII Chilston : A STEWNSTERNING AND A PROPERTY AND A Nominal Dien. Reinforcum Purpose (Inlet, Outlet, Drein) Meterial 5/40 INVET ONTLET 4.160 SA-53-8 FLG LELDED VEHT DROWN 3000 SA 105 SUR IMEE CONTRET 1/2-150 Fig 3/405 SA-8/2-304 EK VEHT / DARH 30004 WY WAY 5R-/82 -36 20. Inspection Openings: Manholes No. Size Location Handholes No. .... Size\_\_ 21. Supports: Skirt A/o Lugs Legs 2. Other. Attached Manto Ja 22. Remerks: 22-168 SOVEERN ON CORER WITH COMING Worse IN THE SHEW PIND OIL IN THE TURES. DESIGN FACTOR FOR SMIS SECTIONS PER LIW 114/2 . 8 CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that all details of design, material, density of the statements made in this report are correct and that all details of design, material, density of the statements made in this report are correct and that all details of design, material, density of the statements made in this report are correct and that all details of design, material, density of the statements made in this report are correct and that all details of design, material, density of the statements made in this report are correct and that all details of design, material, density of the statement of th vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. Date ALC 1 7 1987 Signed MANNING & Lawis ENG. Co / 1nd #3/ 10 153 1574 "U" Certificate of Authorization No. .... \_ expires \_ CERTIFICATE OF SHOP INSPECTION Vessel made by Marmine & LEWIS ENG. Co at UNION N.J. I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and the State or and employed by LUMBERMENS MUTURE CASSINERY Province of\_ of Loves GRover, List, have inspected the pressure vessel described in this Manufesturers' Data . 19\_\_\_\_\_, 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 the ampliquer shall be liable in any manner for any serednal injury or property damage or a loss of any kind arising from or connected with this inspection. NB 7050.NJ 478 Signed Commissions . (Nat'l Board, State, Presides and No.) CERTIFICATE OF COMPLIANCE FOR FIELD WORK OF DATE PORTE 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. Signed (Menufacturir) "U" Certificate of Authorization No .... CERTIFICATE OF FIELD ASSEMBLY INSPECTION 32 345 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ... \_\_\_\_ and employed by have compared the statements in this Manufacturers' Data Report with the described pressure vessel and state that parts referred to as it is items \_\_\_\_\_\_ not included in the certificate of shop inspection, have been inspected by me and that, to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Gotle, Section Vill, 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 Manufacturers' Data Report. Furthermore, neither the Inspector nor his employer shall be flable in any manner for

The described vessel was inspected and subjected to a hydrostatic test of \_\_\_\_\_psi.

any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Onto Commissions 22574 but month to brend language sto sport because a real man got

(Authorized trispector)

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