FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1.	Manufactured and certified by	MELTER, S NUEVO LE						1002 - 120	REY INDUSTI	RIAL PAR	K, APOD	ACA,	
2.	Manufactured for		L	UCITE IN	TERNAT	IONAL, INC./	MELTER Address of Pu	USA					
3.	Location of installation					UNK	NOWN.						
A ·	Type: VERTICAL			НΕΔ	T EYCH	UP SEC	ne and Addres	s)	NA.	DI 763.7			
-4.	(Horiz., vert., or sphe		HEAT EXCHANGER. (Tank, separator, jkt. vessel, heat exh., etc.)						MDI-763-7 (Mfg's Serial No.)				
-	 (CRN)			3-7-1 REV awing No.)	/. 1	401 (Nat'l, Bd. No.)			2012 (Year built)				
5.	ASME Code, Section VIII, Div. 1		ITION 2010 & ADD. 11a			2714							
Item	ns 6-11 incl. to be completed for single		on and Adder		ssels she		ngers or o	hamber of m		cial Service per l	JG-120 (d)		
^	99 (1999) 100 (1995) 178 (1996) 179 (1996) 179 (1996) 179 (1996) 179 (1996) 179 (1996) 179 (1996) 179 (1996)		erecente e escatera	achetea 70	00010, 0111			manned or m					
6.	Shell (a) No. of course (s):		1	-		(b) Overall len	gtn :	-	7'- 09.250)"			
	Course (s) No. Diameter Length Spe	Material ec./Grade or Type	Nom.	kness Corr.	Туре	Long. Joint (Cat. A) Full, Spot, None	Eff.	Type Circu	ım, Joint (Cat. A, B, & Full, Spot, None	C) Eff.	Heat Tre	atment Time	
	1 28.00" ID 07'-09.250" S	SA-516-70	0.375"	0.125"	1	SPOT	85	1	SPOT	85			
		-	-							†			
-	_ _									 			
7.	Heads: (a)		(b)							<u> </u>			
_	(Mat'l Spec. No., C	Grade or Type) H.T.							(Mat'l Spec. No., Grade or Type) H.T.				
(-)	Location (Top, Thickness Bottom, Ends) Min. Corr.	Radius Crown Knuckle	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	0 A	Conical pex Angle	Hemispherical Radius	Flat Diameter	Convex	to Pressure Concave		Category A II, Spot, None	Eff.	
(a)										_		-	
(b)							-					-	
If re	movable, bolts used (describe other for	astening)	(a)	,			(Mat'l. Spec. I	lo., Grade, Size, N	lo.)				
8.	Type of jacket	*****			Jack	et closure	H-		(Describe as ogee	& weld, bar, etc	:.)		
9.	MAWP 150 PSI (internal) (external)		к. temp.	302°		(external)	Min. desig	n metal temp		If bolted, de	scribe or s	20020	
10.	Impact test	200	(Indicate y	res or no and th	e component	at tes (s) impact tested)	st tempera	ture of			<u> </u>		
11.	Hydro. test press.	4	195	PSI		Proof test	2000						
Item	ns 12 and 13 to be completed for tube	sections.											
12.	Tubesheet: SA-240-31 Stationary (Mat'l. Sp		28.000 " Dia., in. (subject to press.)					O.O" Corr. Allow., in		BOLTED Attachment (welded or bolted)			
	Floating (Mat'l. Spec.No.)	Dia., i	- n.		Nom.			. Allow.,	_		Attachment		
13.	Tubes: SA-249- 3		3/4" O.D., in.			B.W.G. 16 Nom. thk., in. or gauge			731 STRAIGHT Number Type (Straight or U)				
Item	ns 14-18 incl. to be completed for inner	chambers of ia	icketed ve	essels or ch	annels of	heat exchange	rs.						
14.	Shell (a) No. of course (s):		2		(1	o) Overall length	-		07'-06.000'				
No.	Course (s) Diameter Length	Material Spec./Grade of	Tune	Thickne Nom.		Long. Joint Type Full, Spot	(Cat. A)	i C	ircum, Joint (Cat. A, E Full, Spot, None	3, & C) Eff.	Heat Trea	itment Time	
1	28.000 " ID 5'-00.500"	SA-240-3		0.187"	0.0"	Type r Full, Spot		100 : 1	FULL	100	NA	NA	
1	28.000" ID 2'-05.500"	SA-240-3	16L	0.187"	0.0"	1 FU	LL :	100 1	FULL	100	NA	NA	
15.	Heads: (a) (Mat'l, Spec. No., Grad	SA-240-316L de or Type) H.T Tim			_	(b)		(Mat'l. Spo	SA-24 ec. No., Grade or Typ	10-316L e) H.T Time &	Temp.		
	Location (Top. Thickness	Radius Crown Knuckle	Elliptic		onical	Hemispherical	Flat	Side t	o Pressure		Category A	1 50	
(a)	TOP 1.687" 0.00"	Crown Knuckle	Ratio	Ape	ex Angle	Radius	28.00"	Convex	Concave	Type Ful	, Spot, None	Eff.	
(b)	BOTTOM 0.1875" 0.00"	- 1 -	2:1		****				X		_		
If re	movable, bolts used (describe other fa	stening)	(a) (b)			B8M, 36 PC	S. 3/4"ø		LENGTH / N				

FORM U-1 (Back)

6. MAV	P 116 PSI (internal)	14.7 l		ax. temp. 302 °F		12 °F xternal)	Min. Design	n metal tem	np20)°F	at 116 PSI/	/F.V
. Impa	ct test	t NO at test temperature of (Indicate yes or no and the component (s) impact tested)										
			(maica	ne yes or no and the comp	when (sy impact to	31007						
. Hydro	o. test press.			151 PSI		Proof	test		+1	*****		
19. No	zzles, inspection, and s Purpose (Inlet,	afety va	alve openings:	Flange	Mol	erial	Nozzle T	hickness	Reinforcement	Haw A	ttached	Location
	Outlet, Drain, etc.)	No.	or Size	Туре	Nozzle	Flange	Nom.	Corr.	Material	Nozzle	Flange	Location (Insp. Oper
	INLET	1	10" NPS	CL 150	SA-312- 316L	SA-105	SCH 10s	0.000"	SA-240- 316L	UW 16.1(q)		CHANNE
1	NLET / OUTLET / LEVEL	4	2" NPS	WNRF CL 150	SA-312- 316L	SA-182 F316L	SCH 80s	0.000"	1	UW 16.1(c)		CHANNE
	OUTLET	1	4 "NPS	LAP JOINT CL 150	SA-312- 316L	SA-105	SCH 40s	0.125"	SA-240- 316L	UW 16.1(q)		CHANNE
IN	LET/OUTLET	2	3" NPS	WNRF CL 150	SA-106-B	SA-105	SCH 80	0.125"		UW 16.1(c)	FIG.2.4(6)	SHELL
TEMP	ERATURE/ PUMP	2	1 1/2" NPS	WNRF CL 150	SA-312- 316L	SA-182 F316L	SCH 80s	0.000"		UW 16.1(c)	FIG.2.4(6)	CHANNE
	-7.0			SEE FORM U4								
21. Ma					(No.)			JPPORTS (Describe) en furnished		-	HELL / WEL (Where and how the report:	
or Pres	fy that the statements in sure Vessels, Section V cate of Authorization No NOV20-2012	III, Divi: D.	sion 1.	e correct and that a	xpires ER S.A DE (esign, materia		on, and wor		2014 EDRO MÁR I	INEZ	SME cod
					ufacturer)					(Representative)	0	
and emp the pres Manufac employe	dersigned, holding a valologed by sure vessel described in turer has constructed r makes any warranty, loyer shall be liable in a	this M this pre express iny man	anufacturer's essure vessel sed or implied	d by the National E ISB - CT. Data Report on in accordance wi , concerning the p	01/15 th ASME Coressure vesse	of and Pressu of 20 / de, Section	re Vessel Ins 7 VIII, Division n this Manufa	and stands 1. By signacturer's Dising from or	RTFORD, CT ate that, to the gning this ce ata Report.	e best of my kr ertificate neithe Furthermore, n with this inspec	have nowledge and er the Inspect neither the Ins	or nor h
Date	0.(10/1)	_ 0	gried	(Authoriz	red Inspector)		COMMISSIO	113 /-		d. endorsement, Stat		D.)
Section	ficate that the statemen VIII, Division 1. cate of Authorization No		is report are o		field assemble Expires				sel conforms		ements of ASM	ME Code
Date	O-1243 FF HEIDERS	Na	ame		(Assembler)		Sig	gned _		Representa	tive)	
				CERTIFICA	TE OF FIELD	ASSEMBL	Y INSPECTION	ON		True		
and emp have con not inclu this pres psi. By Manufac	idersigned, holding a valoyed by mpared the statements ded in the certificate of sure vessel in accordar signing this certificate turer's Data Report.	in this N shop in nce with neithe urtherm	Manufacturer's spection, have ASME Code, er the Inspectioner, neither the	d by the National B s Data Report with e been inspected b , Section VIII, Divis or nor his employ	the described by me and to the ion 1. The dever makes an	pressure ve he best of my escribed vess by warranty,	re Vessel Insof ssel and state y knowledge a sel was insper expressed o	e that parts and belief, cted and su or implied,	s referred to a the Manufact ubjected to a concerning the	as data items urer has consti hydrostatic tes he pressure v	ructed and as t of essel describ	ed in th
kind aris Date	ing from or connected v		inspection.	(Authoriz	ed Inspector)		Commission	ns	(Nat'l. Board inc		e, Province and No	5.)

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FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1.	Manufactured and	d certifi	ed by ME	MEXICO									
	What is a controlled a set on a control and accompany			(Name and address of Manufacturer)									
2.	Manufactured for	LUCITE INTERNATIONAL, INC./MELTER USA.											
2	1	-41		(Name and address of Purchaser)									
3.	Location of install	ation	UNKNOWN. (Name and address)										
4.	Туре:	VER	TICAL										
٦.	Турс.		ert., or sphere)		(Tank, separator, heat exh., etc.)			1		Serial No.)			
		MDI	-763-7-1 RE	EV 1			401		2012				
(CRN)								at'l. Bd. No.)		(Year built)			
	Data Report												
	Item Number						Rem						
NC	DZZLES :					Mate			Reinforcement				
		No.	Diam.	Туг		Nozzle	Flange	Nom. Thk.	Matl.	attached	Location		
	VENT	4	3/8" NPS		ED HOLES		01.105				TUBESHEET		
TE	MPERATURE	_2 1	1/2" NPS	WNRF CL	_ 150	SA-106-B	SA-105	SCH 160		UW-16.1(c)	SHELL		
		-											
		/4)	TUDEADE	DUOLECONI	IDDED TUDE	CHEETC OF	MATERIA	L SA-240-316L					
		(1)			JPPER TUBE								
								Alexandra de La Caración de La Carac					
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Co	rtificate of Authoriz	ration:	Туре	U	No.	30	,908	Expires	JANUARY 2) Q	20 14		
Ce	runcate or Authoriz	auon.	Type				,300	- rybiies	JANUART 2		20 14		
				750		[2]				-	38.5		
Da	te NOV-20-2	012	Name	N.	MELTER S	A DEC	/ ~	Signed					
Da	1101-20-2		Hairie			acturer)		_ Oigned	(Rent	resentative)			
Da	te 01/15/1	7	Name		1	/ /		Commission			41098		
Da	<u>U[/13/[</u>		Hairie							Province and No.)			
				,						/ DEL TOTO PER DE TRATA			