INSPECTION CERTIFICATE BS EN 10204 TYPE 3.1

ABNAHMEPRŰFZEUGNIS 3.1, CERTIFICAT DE RÉCEPTION 3.1

Customer

Bestobell Valves

(A division of President Engineering Group Limited)

Cryolor Asia Pacific Pvt Ltd

No 1 GST Rd, Chennai-Madurai NH45 Kadamalaiputhur Village Perumberkandigai Post Maduranthagam Taluk N.H. Nº 8, Opp Krishna Temple Nr. Bhammaria Kuva Lambha, Ahmedabad 382405

Customer Order No

171221 16/08/2017

Date

Bestobell Order No

20/12/2017

SO-000344/04

Qty	Size	Description	Bestobell Part No.	Customer Part No.
10	DN40	Globe Valve DN40 SS/BRZ IN SE BB 230mm	CNT70SNED3C /	N/A

Body:

RJ015, RJ001, RJ332, RJ007,

Cover:

DBJ,

Ext Tube:

DBC,

Stem:

DAN

Disc Sep Seal:

DBM.

Coupling Adaptor: H1309

MAX WP 725 PSI

Test Pressures (tested using clean, filtered air)

Shell strength test:

1100 psi

(75 Bar)

Shell tightness test:

798 psi

(55 Bar)

Seat test*:

798 psi

(55 Bar)

*Seat test does not apply to strainers

Certified that product is cleaned and degreased to Bestobell BVI_002, which is equal to or exceeds: EN 12300-O2, APL 4WPI-SW70003, BOC Spec 50000810 and Messer MG06401

Certified that the whole of the supplies detailed hereon have been inspected, tested and unless otherwise stated above, conform in all respects with the requirements of the contract or order.

Swaroop Dey.

...... Technical & Quality dept.

Q1

					TES	T CERT	TEST CERTIFICATE				
LEISTUNG ENGINEERING PA 3/103, NIDC Nr. Bhammariya Kuva, I ambha. Ahmedabad 382 405	G ENGIN C Nr. Bhan	LEISTUNG ENGINEERING PVT. LTD. 3/103, NIDC Nr. Bhammariya Kuva,	PVT. L ⁻	TD.	-						
Gujarat-India	ia	-302 403,									
Ph: 91 79 2573 3411,2573 3412 Fax: +91 79 2573 3412	2573 3411 3 2573 341	,2573 3412 2									
E-Mail:info@leistung.in URL: www.leistung.in	@leistung.i leistung.in	c									
RAW MATERIAL	TERIAL	LOT NO	MIL	MILL / LABORATORY	rory	CHEMI	CHEMICAL TC#	DATE	MECHAN	MECHANICAL TC#	DATE
DIA 22.22 MM SS ROUND BAR	MM SS BAR	DAN	PANCH	PANCHMAHAL STE	STEEL LTD.	D8 (Heat:	D88254 (Heat # 05131)	15.11.2017	D88 (Heat #	D88254 (Heat # 05131)	15.11.2017
					СН	CHEMICAL ANALYSIS	NALYSIS				
		ပ	А	Si	S	Cr	Mn	Ni	Mo	z	OTHER
OBSERVED	%	0.024	0.038	0.270	0.027	16.70	1.820	10.270	2.190	0.079	ij.
					MECH	ANICAL PE	MECHANICAL PROPERTIES				
	Sec.Dim. (mm)	Guage Length (mm)	Yield/ Load (KN)	Ultimate Load (KN)	Final Guage Length (mm)	YS(0.2%) N/mm²	YS (1.0%) N/mm²	U.T.S. N/mm²	Elongation %	HARDNESS (BHN)	Impact Energy at -196° C (Avg. Joule)
OBSERVED	ţ	Ŷ	(1	1	āt i	490.30	536.80	621.80	48.10	215	183.33
NOTE: This Material Confirms to BSEN 10088-3 1.4401 in respect of above results	aterial Conf	irms to BSE	N 10088-3	1.4401 in res	spect of abo	ove results					
() ()	00000										

NARENDRA CHAUHAN LEISTURIC ENGNEERING PVT. LTD. HARD ORIGINAL, DULY SIGNED IS AVAILABLE WITH LEISTUNG ENGINEERING PVT. LTD.

					TES	T CERT	TEST CERTIFICATE				
LEISTU	LEISTUNG ENGINEERING PVT. LTD.	VEERING	PVT. LT	 e							
3/103, NIE	3/103, NIDC Nr. Bhammariya Kuva, lambha Ahmedahad-382 405	nmariya Ku	va,								
Gujarat-India	dia dia	-305 - 103,									
Ph. 9179 Fax: +917	Ph. 91 79 2573 3411,2573 3412 Fax: +91 79 2573 3412	,2573 3412 12									
E-Mail:infc URL: www	E-Mail:info@leistung.in URL: www.leistung.in	1 ፫					*				
RAW M,	RAW MATERIAL	LOT NO	MILI	MILL / LABORATORY	FORY	CHEMI	CHEMICAL TC#	DATE	MECHAN	MECHANICAL TC#	DATE
DIA 63.0 ROUN	DIA 63.00 MM SS ROUND BAR	DBJ	LAXC	LAXCON STEELS LTD	s LTD.	76 (Heat #	76404 (Heat# FF-5182)	23.11.2017	76 (Heat #	76404 (Heat # FF-5182)	23.11.2017
					CH	CHEMICAL ANALYSIS	NALYSIS				
		၁	Ь	Si	S	ວັ	Mn	ž	Mo	z	OTHER
OBSERVED	%	0.022	0.039	0.40	0.014	18.24	1.70	8.06	1	0.0757	į.
					MECH	IANICAL PE	MECHANICAL PROPERTIES				
	Sec.Dim. (mm)	Guage Length (mm)	Yield/ Load (KN)	Ultimate Load (KN)	Final Guage Length (mm)	YS(0.2%) N/mm²	YS (1.0%) N/mm²	U.T.S. N/mm²	Elongation %	HARDNESS (BHN)	Impact Energy at -196° C (Avg. Joule)
OBSERVED	ſ	ì	ï	a	9	264.00	298.00	572.00	64.06	170	225.33
NOTE: This Material Confirms to BSEN 10088-3 1.4301 in respect of above results	Aaterial Conf	irms to BSE	N 10088-3	1.4301 in res	spect of abo	ove results					
MARENDRA CHAUHAN LEISTUNG ENGINEERING PVT. LTD.	SEA CHAUHAN GOVERNORERING	PVT. LTD.					I				
HARD ORIGINAL OULY SIGNED IS AVAILABLE WITH LEISTUNG ENGINEERING PVT. LTD.	WALE DULY S	IGNED IS AV	AILABLE \	WITH LEISTI	JNG ENGIN	IEERING P	VT. LTD.				

					111	TEST CERTIFICATE	FICATE				
LEISTUNG ENGINEERING PVT. L. 3/103, NIDC Nr. Bhammariya Kuva, Lambha, Ahmedabad-382 405, Gujarat-India Ph: 91 79 2573 3411,2573 3412 Fax: +91 79 2573 3412 E-Mail:info@leistung.in	ENGINEE C Nr. Bharr nmedabad- ia 2573 3411, 2573 341, Øleistung.ii	LEISTUNG ENGINEERING PVT. LTD. 3/103, NIDC Nr. Bhammariya Kuva, ambha, Ahmedabad-382 405, Sujarat-India hr. 91 79 2573 3411, 2573 3412 = Amail:info@leistung.in JRL: www.leistung.in	. LTD.			_					
RAW MATERIAL	TERIAL	#ON TOT	שורר	MILL / LABORATORY	rory	CHEMICAL TC#	AL TC#	DATE	MECHANICAL TC#	CAL TC#	DATE
3/4" SCH 40 SEAMLESS PIPE	SEAMLESS	DBC	MAXIM	MAXIM TUBES COMPANY PVT. LTD.	MPANY	MTCPL/2017-2018/0732-B (Heat # FK1571-02)	2018/0732-B	15.11.2017	MTCPL/2017-2018/0732-B (Heat # FK1571-02)	2018/0732-B (1571-02)	15.11.2017
						CHEMICAL ANALYSIS	ALYSIS				
		ပ	Ь	Si	S	Ċ	Mn	Ni			OTHER
OBSERVED	%	0.018	0.024	0.380	0.003	18.210	1.200	8.220			ĵ
					ME(MECHANICAL PROPERTIES	OPERTIES				
	Sec.Dim. (mm)	Guage Length (mm)	Yield/ Load (KN)	Ultimate Load (KN)	Final Guage Length (mm)	Area mm²	Yield Stress N/mm²	U.T.S. N/mm²	Elongation %	Location Fracture	HARDNESS (BHN)
OBSERVED	1	1	į	ä	ij.	1	302.00	00.609	58.00	1	ï
NOTE: This Material Confirms to ASTM A-312 TP 304L in respect of above results	laterial Conf	firms to AST	M A-312 T	P 304L in re	spect of ab	ove results					
(m) Joseph Colored	. 000					l					

NARENDRA CHAUHAN LEISTUNG ENGINEERING PVT. LTD. HARD ORIGINAL, DULY SIGNED IS AVAILABLE WITH LEISTUNG ENGINEERING PVT. LTD.

N.H.#8 Opp Krishna Temple, Near Shammaria Kuva Lambha Ahmedabad 380405 Invoice No.: GST-467/17-18 Material: ASTM A 351 GR, CFRM PO No./Li. No. Drawing No.	emole,	3311111 333111 (311111)					2	nspection Certificate	LOU	Cer	titic	ate				
0, : GST-46 : ASTM A 3 i. No.	a tambha						Accor	According To EN 10204 : 3.1 Certificates With PED	10204::	3.1 Certif	icates W	ith PED			TYOU TOWN OUT	7
i. No.	/17-18						O W	PED (2014/68/EU) Cert No: 07-202-1409-WZ-1092/17	U) Cert No:	07-202-14	409-WZ-16	092/17			,	
î. No.	1 GR CF8M				Specified	c Rea.	U	Z	S	Ň	r.	Ö	2.	S		
	Drawing No.	Description	ion	HEAT NO.	No. QTY	. Min		1	-	00,000	-		000 50	02.000		
	MOS18VG27030A	BACK FLA	BACK FLANGE VERTICAL DRA	\$ 6203	음	<u> </u>	00.086	00,788	00,500	00.040	00.040	21 000	12.000	03.000		
P001032 * 1.00	L0104F029	DN46 GL1	DN4C GLV BODY SE LD104FC	R1273			00.037	-	8	90,00	00 031	18.520	09 760	02.140		
0001032 [10	L0104F029	DN40 GLV E 29Z	N BODY SE UDIO4FC	RJ332	m		00.030	007.000	30 800	90,005	20,028	18 710	09.360	02.270		
PCD1032 LD	L0104F029	DN40 GL)	DN40 GLV BODY SE 10104FC 29Z	RUDOI	00		00.040	00.880	00.810	00.001	00 039	18 400	09:500	02.150		
2001032	L0104F029	DN40 GU	DN40 GIV BODY SE LOIDAFD 292	300DF	기		00.039	000.000	00 930	00 013	00.033	19,230	058 60	02.220		
>001032	101041029	292	DN40 GLV BODY SE LCTOAF5	SUDES	w		00 037	000000	00.878	500.00	20 00	18.730	05.790	02,130		
P001032	J0104F029	29Z	V BODY SE UDIO4FD	83058	(3)		00.044	000.20	50 983	800.00	20.027	18.760	089.60	05 200		
>001D32	L0104F029	29Z	29Z	-102T			00.045	000000	01.120	600'00	00 025	18.980	069 60	02.150		
201048	10201:018	15 MM G 201F0182	15 MM GLY BODY SEC BIV LO 201F018Z	2 406	149		00.039	01010	00.813	110 00	00 032	18.450	09,220	02,170		
P001048	0201F018	15 MM GLV 8 2025018Z	SLV BODY SEC BW LC	CF251	30		00.055	01.109	00.692	00 012	00 034	18 392	05,410	02,206		
Specified Rea	VTS YS(1%)	N YS(0 2%)	Z X	Hardness			Impact T	(mpact Test - Charphy (Joures)	ny (Joures)					State	Statement of Inspection	
	485.00	205 00	30,00	0 00	Tempi-196°C M		in Avg Value: 411	п				1 Castings	are free f	nem radioar	Cestings are free from radioachive contamination	
Max	000	0.00	-	2000	VI	72	V3 Avg.	/B. V.1	V.2	7.3	AVA.		Surface Co		Commence of the second	
	10000	308.92	-+		143.00 I	131,50 13	130,00 134,83	83					ישון שרב כר		A STATE OF SOURCE CONTINUES AND SOURCE CONTINUES AN	
	555.05	295 22	-	159 00	118.00 1	120.00 1	126.00 121.33	EQ.				n				
	570.49	302,51	-	158.00	_	-	128.00 123 33	33				4				
	551.83	290.16	-	-			88.00 98.66	56				m				
20002	565.73	303 22	-	-+				67				4D	E		VALVES INDIA	8
STOP	532 37	289 19	-		-	118,00 1	134.00 127.35	.35				7	O		1	2
	530 32	259 83	-	-	108.00	98,00	118.00 108.00	00.				CH.	_	-1		1
	539.37	302,35	48.16	157 00	128.00 1	110 00 91	98.00 112.00	00				n (_		CAPTURE D WITHERSEG	1
	\$45.50	317.91	48.50	150 00	112.00	118.00 1	110.00 113	33			1	(I)			2000	2
05251	610.85	303.64	54.08	159.00	102 00	96.00	100 00 99.3	33				10			01	1
Heat Treatment: Heated to 1080°C Socked for 1	id to 1080°C Socke	ed for 1 Ho/th	Ha/Inch thickness then water quench	water quench								100	1			1
Marking on Material : Heat No, Pressure Test-"p	eat No, Pressure	Test."D											to to	naterial des the requirm	Carinists that the material described has been inspected tested and contisms to the requirments of the purchase order.	and coatives
1, Ail Body Has Been Pressure Tested in air Under Water at	essure Tested in ai	ir Under Wa	558AR for	1 Mirut												
2. All Body Are Seat tested & Punched 1S	ted & Punched 'S			ы												
3. Material Confirm to NACE MR 0175/ISD 15156-2015 for Hardness	VACE MR 0175/ISC	0.15156-201	is for Hardness	00											4	
4 Visual Inspection : As per MSS-SP-55	. per MSS-SP-55			UI												
พที่				DI								Charman	3			

Borboholl Mala									200	+000	400 100 11		TITLE				THE PERSON IN	THE PERSON
N.H.#8 Opp Krishna Temple, Near Bhammaria Kuva, Lambha	Bestobell Valves (India) Private Limited N.H.#8 Opp Krishna Temple, Near Bhammaria Kuva, Lambha	ate Limi	ted						Accord	According To EN 10204: 3.1 Certificates With PED	According To EN 10204: 3.1 Certificates With PED	Certifi Gentifi	CITIC cates Wi	ate th PED			0	
Ahmedabad 380405	105																TECHNOCAST P	PVT. LTD.
nvoice No. GST-	GST-467/17-18								Z) Q3a	PED (2014/68/EU) Cer No: 07-202-1409-WZ-1092/17	D Cent Not	07-202-14	09-WZ-10	192/17				F-QC-04-R2
Material: ASTM A 351 GR.CF8M	A 351 GR.CF8M						Specified Red	c Reg.	U	Mn	VI	VI	n.	c i	2	Mo		
PO No./Li. No.	Drawing No.		Description	no		HEAT NO.	o. QTY			-	-	000.00	00.000	18.000	000.20	02.000		
2001032	M0518VG27030A	7030A	BACK FLA	BACK FLANGE VERTICAL DRA	CAL DRA	G203	9	Max	00.080 00.080	01.500	01.500	00.040	20 040	21 000	12.000	03.000		
2001032	10104F029		29Z	0N40 GIV BODY SE LOI 04F0	.0104FC	RU273	5		00.03		00.870	00.008	00 031	200 07	057 50	02 00%		
5001032	10104F029		29Z	DN40 GLV BODY SE LD104FC 29Z	.D104FC	RJ332	m		00.030	-	00.800	00.005	00,028	18710	098 90	02 270		
2001032	L0104F029		DN40 GLV E 292	V BODY SE LO304FC	.0304FC	30001	00		00.040	00.880	00,810	00.011	00,039	18.400	200	02,150		
2001032	10104F029		DN40 GLV 29Z	BODY SE	10104F0	31007	위		00.039	03.000	00 930	00.011	00 033	19.230	058-50	02.120		
2601032	101046029		DN40 GL 292	DN40 GLV BODY SE 10104F0 292	.0104F0	20025	ιρ		50.037	000.20	00.870	600.00	920.00	18,730	067.50	02.130		
>001032	10104F029		DN40 GU 292	DN40 GLV BODY SE LOTOGFO 292	0104F0	87078	O)		20.044	000.10	00 983	800.00	20 00	18 760	089750	02 190		
P001032	101045029		292	V BODY SE .	SE : DI D4F0	3002E	F (#)		00 045	07.050	03.120	600 CO	00.025	18.980	08780	02.150		
350100c	132016018		15 MM G 201F0182	15 MM GLV BODY SIC BW LO 201F018Z	C BW L0	2406	7		00.039	01010	00.813	110 00	00 032	18,450	09.220	02 170		
9601348	102015018		15 MM G 202F0182	15 MM GLV BODY SEC BV/ LO 20170182	C BW/ LO	OF251	30		00.055	01 109	00.692	00,012	00 034	18 392				
Specified Reg	UTS Wps	YS(1%) Mpa	YS(0.2%) Mpa	11.42	8 88 H	Hardness			mpact Te	mpact Test - Charphy (Joules)	y (Joules)					Stater	Statement of Inspection	
HEAT No. Mis	485.00		205 00	30.00		D 00 0	Temp.:-196°C N	<u>.</u> E	Avg Value 41J					Castones	STR FIRM FE	CHOICH- EC	notice of metabolical professions and sections and sections.	
Mex			00.0	20.0		00.0	177	V2 V		27	V2	V3	ANE					
6203	198.62		308.92	60 40		-	143.00 1	131.50 130	130,00 134.83	33			-		on abelia		casting surface condition (Micking and Passivation condition)	
81273	555.06		295.22	58 28		159.00 1	118.00 1	120.00 12	126.00 121.33	33				10				
2332	570 40		302 51	51,80		158.00 1	120.00 1	122 00 12	128,00 123,33	33				ej.				
2000	551.83		290,16	-		159.00	108.00	100,00	88.00 98.66	9				ıΔ)				
3,000 %	565.73		303 22	-+		157.00 1		132.00 120	120.00 126.67	57			7,347	UB.			TINI VECINDIA	
2015	532.37		289 19	58.16		156 00 1	130.00 1	118.00 134	134.00 127.33	33				-	mò		CHANGA INDIA	077
2018	530.31		269 88	49.40		157.00 1	108.00	98.00 118	118 00 108.00	30						I	A PONIEDADAD	
81021	539.37		302.35	\rightarrow		157 00 1	128.00 1	110,00 98.	98.00 112 00	00				n)	L	S	Verified Witnessed	4
N406	545 50		317.91	48,50		160 00 1	112.00 1	118.00 110	110.00 113 5	33				(Z)	-		1/21/10	2
OF251	610.85		303,64	54 08	-	159.00	102.00 9	95.00 100	100.00 99.33					01			D1	1
Heat Treatment : Mested to 1980°C Socked for 1 Hr/Inch thickness then	ested to 1980°	C Sacked	for 1 Hr/19	nch thíckne	is then wat	water quench								6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1		1
Marking on Material : Heat No, Pressure Test-"P"	al: Heat No, Pre	assure Te	"d"-12									-		0.00	mel men tot	the requirem	cerunisticular instendi described has been inspected tasted and matrix. It the requirments of the purchase order.	80 ATC
1. All Body Has Been Pressure Tested in air Under Water e.	n Pressure Test	ed in air i	Under Wa	ter at 55BA	at 55BAR for 1 Miruto	100												
2. All Body Are Seat tested & Punched "S"	tested & Pund	hed 'S"				76												
3. Material Confirm to NACE MR 0175/350 15156-2015 for Hardness	to NACE MR 0.	175/350	15156-201	5 for Haron	655	0.0											14.00	
4 Visual Inspection : As per MSS-SP-55	: As per MSS-S	in in				Ű,												
al a																		

Bestobell Valves (India) Private Limited N + £8 Opp Krishna Temple N + £8 Opp Krishna Temple N + £8 Opp Krishna Temple Near Bhammaria Kuva, Lambha Ar medabad 380405, Invoice No.: GST-467,17-18 Despendents PO No./U. No. Drawing No. Despendents POD1032 L0104F029 293 POD1032 L0104F029 293 POD1032 L0104F029 293 POD1033 L0104F029 293 POD1032 L0104F029 293 POD1033 L0104F029 293 POD1033 L0104F029 293 POD1033 L0104F029 293 POD1033 L0104F029 293 POD1034 L0204F029 293 POD1034 L0204F029 293 PCD1048 L0204F028 263 PCD1048 L0204	scription CK FLANGE VER CANDY CANF 40 GLV BODY S		Spec HEAT No. G203 RJ273 RJ273 RJ031 RJ057 RJ015 RJ015	Specified Req. 10 Min Max 10 12 2 2 2 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		According To EN 10204:3 According To EN 10204:3 C	OD Cert No: 07-2 Si S Si S 30,000 00 01,500 00 00,870 00 00 830 00 00,870 00 00,930 00 00,930 00 00,930 00 00,930 00 00,930 00 00,930 00	On Certificates With PEI. 0204: 3.1 Certificates With PEI. Cert No. 07-262-1469-WZ-1092/17 Si S P C-1 00.000 00.000 00.000 18.00 01.500 00.000 00.000 18.00 00.664 00.005 00.033 18.55 00.810 00.011 00.033 19.23 00.870 00.009 00.023 18.75 00.930 00.011 00.033 19.23	PED (2014/68/EU) Cert No: 07-202-1409-W2-1092/17 C Mr Si S P 00,000 00,000 00,000 00,000 18,000 00,030 01,500 00,000 18,500 00,032 01,500 00,000 18,500 00,032 01,000 00,000 18,500 00,032 01,000 00,000 18,500 00,033 01,000 00,001 18,500 00,034 01,000 00,001 18,400 00,034 01,000 00,001 18,400 00,034 01,000 00,001 18,400 00,034 01,000 00,001 18,730 00,034 01,000 00,001 00,001 18,730 00,034 01,000 00,001 00,003 18,730 00,034 01,000 00,003 00,001 18,730 00,034 01,000 00,003 00,003 18,730 00,037 01,000 00,003 00,003	N N N N N N N N N N N N N N N N N N N	Mc 02.00C 03.00C 02.00C 02.140 02.150 02.150 02.150 02.150 02.150 02.150	TECHNOCAST PVT. LTD. F-QC-04-R2
ad 380405, a. 1657-467,17-18 ASTM A 351 GR.CF8M I. No. Drawing No. MOS18VG277 L0104F029 L0104F029 L0104F029 L0104F029 L0104F029 L0104F029 L0104F029 L0104F029 L0201F028 L0201F028 L0201F028 Mps OO OSS933 S58.33 S58.33 S58.33 S58.33			2	% Se c		Mn 00,000 01,500 01,000	Si S S	202-1409-WG P 1,000	72-1092/17 CD 18.000 MC 21.000 MS 18 582 MS 18 710 MS 18 710 MS 18,730			P V T.
i. No. Drawing No. i. Ologfo29 i. Olog			2 2	.Sec.		Mn. 00.000 01.500 01.500 01.000 00.0000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.000 00.0	Si S S S S S S S S S S S S S S S S S S	202.1409-W. 1000 00.00 1000 00.00 1000 00.00 1000 00.00 1000 00.00 1000 00.00 1000 00.00 1000 00.00 1000 00.00 1000 00.00 1000 00.00	7.1092/17 2.00 18.000 940 21.0000 931 18.520 938 18.710 939 18.400 939 18.750 939 18.750			F-QC-04
i. No. Drawing No. MOSTEVG277 LOLO4F029 LOL04F029 LOL04F02			2	%ed.								
I. No. Drawing No. MOS18VG277 LOLO4F029 LOL04F029 L			HEAT NO. G203 RJ273 RJ332 RJ007 RJ007 RJ015 RJ015	>								
MOSTSVG277 L0104F029 L0104F029 L0104F029 L0104F029 L0104F029 L0104F029 L0204F029 L0204			G203 RJ273 RJ001 RJ007 RJ015 RJ018						2		03.000 02.064 02.140 02.150 02.120 02.130	
L01046029 L01046029 L01046029 L01046029 L01046029 L01046029 L02016028 L02016			RJ273 RJ332 RJ001 RJ007 RJ015 RJ015 RJ018 RJ018	4D 00 60 70 30 30	00.032 00.040 00.039 00.039				4		02.140 02.150 02.150 02.120 02.130	
L0104F029 L0104F029 L0104F029 L0104F029 L0104F029 L0104F029 L0104F029 L0201F028 L0201F028 Req VTS VTS VMR VRS			N332 N001 R007 N015 R018	0 60 51 10 20	00.030 00.040 00.039				8 8 6 6 81 81 81 81 81 81 81 81 81 81 81 81 81	90 80 80 8	02.150 02.150 02.120 02.130	
L0104F029 L0104F029 L0104F029 L0104F029 L0104F029 L0201F028 L0201F			2001 RU07 RU018 RU018	60 El 10 0	00.039				80 년 원 80 명	9 9 8 8	02.150 02.120 02.130 02.130	
32 L0104F029 32 L0104F029 32 L0104F029 32 L0204F029 348 L0201F028 348 L0201F028 348 L0201F028 348 L0201F028 348 L0201F028 348 L0201F028 355.05 No. Min 485.00 S55.05 S55.05 S55.05 S55.05 S55.05 S55.05			2007 2015 2018 2018	24 vo 27	00.039				Q1 10 11 11 11 11 11 11 11 11 11 11 11 11	8, 8, 8	02.120 02.130 02.190	
32 L0104F029 32 L0104F029 33 L0204F029 348 L0204F029 348 L0204F029 348 L0204F028 348 L0204F028 348 L0204F028 358.91 358.91 358.91 358.93 358.93 358.93 358.93 358.93 358.93			2015 2018 2021	(C 0)	750,00			8 8	10 00	8 8	02.130	
32 L0104F029 348 L0201F028 348 L0201F028 348 L0201F028 348 L0201F028 348 L0201F028 358.93 358.93 358.93 358.93 358.93 358.93 358.93 358.93	305 S 305 S		RUDIS RUDII	on w				-	00	S	02.190	
32 L01045029 348 L02015018 348 L02015018 348 No	300Y S		2002.		00.044	090	120			2		
148 L0201F018 148 L0201F018 14Fed Req Vipa Vipa Vipa Vipa Vipa Vipa Vipa Vipa	YGOS YGOS				00 045	5,0	813	00 600	025 18.980	069.60	02.150	
148 L02C1FC1E Ciffed Req VTS No. Min 485.CC Nax 2.00 S98.91 S55.06 S55.06 S55.06 S55.06 S55.06 S55.06	200		N409	2	980,00	01010		00 110	032 18.450	09.220	02 170	
Uffed Req	201F018Z	S40 BW 10	09252	30	00.055	01.109	00.692 00	00,012 00 03	034 18.392	99	02 208	
No. Max) YS(0.275 Et N/pa %	RA Hardness % BHN	1655		mpact Test	moact Test - Charphy (Joules)	(Joules)				Stateme	Statement of Inspection
Max	205 00 30 00	00'0	Temp	:-195°C Min Avg Value: 41	ug Value: 413				Casti	Castings are free from	113	adiscentuation evitasoide
	-	00 0	Š	V2 \	V3 Avg.	57	V2 V3	3 Ave		ia Sinfara C		The state of the s
	-+		-	131.50	130.00 134.83	<i>a</i>				5		ig allumasse alon condition
	-	955	-	120.00		m.						
	-	80	-	122.00		(0)			,			
	97.05 97.067	159	159.00 108.00	1500.00					Λ			
	-	156	-	118.00	134 00 027 33	. 17				m		L VALVES INDIA
R018 530.31	-	157	1	98.00								AHMEDABAD
8J021 539.37	302.35 48.16	157	157 00 128.00	110.00	-				çri.		7	_
N406 545 50	317.91 48.50	160	160.00 112.00	118.00	10	m			in:		,	Jan Marine
0F251 610 85	303.54 54.08	159	159 00 102 00	96.00	99.3				10			,an
rieat Treatment: Heated to 1980°C Socked for 1	ed for 1 Hr/Inch thickness then water quench	ss then water q	rench						9	4	1000	
Marking on Material: Heat No. Pressure Test."P"	Test-"p"									to the trie	the requirment	convices what the material described has been inspected, tested and continues to the requirements of the purchase order.
1. All Body Has Been Pressure Tested in air Under Water e.	ir Under Water at 55BAR for	R for 1 Minute										
2. Ail Body Are Seat tested & Punched 1ST		15										
3. Material Confirm to NACE MR 0175/ISO 15156-2015 for Hardness	O 15156-2015 for Hardr	S Sess										10.00
4. Visual Inspection : As per MSS-SP-S5		σ										
ហ		TOT	22						47	Chama		

Bestobell Valves (India) Private Limited N 4 #8 Opp Krishna Temple, Mear Brammaria Kriva: Lambles	es (India) Priving Temple,	rate Limit	ted				ž		Accoi	According To EN 10204 : 3.1 Certificates With PED	N 10204:	3.1 Cert	ficates W	According To EN 10204 : 3.1 Certificates With PED			
Anmedabad 380405	405.																TECHNOCAST PVT.
invoice No. ; GST-467/17-18	-467/17-18					-			O ui e.	PED (2014/68/EU) Cert No: 07-202-1409-WZ-1092/17	EU) Cert No	5: 07-202-	1409-14/2-1	092/17			F-QC-04-R2
Material: ASTM A 351 GR.CF8M	A 351 GR.CF8N	Ā					Specif ed	d Reg	U	Mo	SI	VI	a	ð	z	Mo	
PO No./Li. No.	Drawing No	٦.	Description	ue		HEAT NO.	10. QTY	Nin Z	00 00 mi	00.000 00	00.000	00000	00.000	18.006	09.000	02.000	
9661032	MOS18VG2703GA	7030A	BACK FLA	BACK FLANGE VERTICAL DRA	CAL DRA	6203	2		-				-	-	09.196	03.00x	
9001032	L0104F029		DN40 GEN 292	DNAC GLV BODY SE _	_0104FC	RU273	23		00.037	37 03.000	0 00.870	00.008	00 031	18 520	09.760	02 140	
9001032	151045029		29Z	DN40 GLV BODY SE :	10104FC	A332	rn		00.030	30 01.000	008000	00.005	00.028	18 710	09:360	02.270	
5601035	LOIG4F029		DN40 GLV 3	3ODY SE	20104F0	3000	00		00.040	40 00.880	0 00 810	00.011	00 038	18.400	09:500	02.15C	
2001032	101045029		29Z	in in	1010460	3000A	21		00.039	39 01.000	0 00.930	00.011	00 033	19.230	06.890	02.120	
2001032	E0104F029		29Z	V BODY SE	SE LOTOMFO	2002S	(O		00 037	37 02,000	078,00 0	600.00 0	00,029	18 730	067.50	02.130	
2001004	L0104F029		DN40 GL 29Z	DN40 GLV BODY SE LD104F0 29Z	.0104F0	307.8	Ø		20.044	44 01.000	0 00.983	3 00.008	30.027	18 760	089 680	05 190	
2001032	L0104F029		DN40 GE 292	ON40 GLV BODY SE LOTOAFO	DIDAFD	3022			00 045	45 01 060	0 01 120	00.009	00 025	18.980	08,690	02 30	
Sectods	1 10201.013		15 MM G 201F0182	15 MM GLV BODY SIC BW L0 201F0182	C BW L0	3,406	2		00,039	39 01 010	0 00.813	110.00 8	00 032	18,450	09.220	02.170	
PC01043	LOTELFOLS		15 MM G 201F0182	15 MM GLV BODY STO BW LO 201F0182	50 BW/ L0	OF251	S		00,055	55 01 109	9 00.592	2 00.012	00 03-4	18,392	05,410	32 206	
Specified Red	STO	YS(1%) Mpa	YS(0.2%)	ij.e	A5 25	Hardness			mpact	mpact Test - Charphy (Joules)	pry (Joules	2)				Statem	Statement of Inspection
HEAT No. Min	n 485.00		205 00	30.05		0.00	Temp.:-15	36°C Min.	Temp.:-196°C Min Avg Value: 41J	413				1 Casting	s are free	from radioacti	Cestings are free from radioactive contamination.
Max	0000		0.00	00.0		00.0	ζZ	57	V3	Avg. V1	V2	٨3	Ave	2 Casting	Surface C	ondition - Pick	Casting Surface Condition - Pickling and Passivation condition
9203	50.00		308.92	60.40			143.00		130,00 13	134,83							
\$1273	556.06		295.22	58 28		159,00	118.00	120.00	126.00 12	121.33) v			
7332	570 40		302,51	51.80		-1	120.00	122.00 3	\rightarrow	23 33				d (
7001	557 83		290.15	-		159.00	108.00	100.00	88.00 98	98.56				ın			And the second s
2007	565 73		303 22	-		-	-		_	126.67				iti.	0		VALVES INDIA
20025	532.37		289 19	55.16		-	130.00	118.00 1	134,00 12	127.33				p.	0		A THE EDABAD WAY
2018	530 32		269,88	49.40		-1	108.00	98.00	118 00 10	108.00				260			_
RJ021	539.37		302.35	48.16		157.00	128 00	110.00 9	98.00	112 00				- 6	L		The state of the s
N406	545 50		317.91	48.50		160 091	112 00	118.00 3	110 00 11	113 33				ni.			100000
05251	610.85		303.54	54 08		159.00	102 00	96.00	100.00	99.33				9			
Heat Treatment : Heated to 1080°C Socked for 1 Hr/Inch thickness then water quench	Heared to 1080	°C Socked	For 1 Hry	ach thickne	ss then we	ter quench								Certifie	d that the	materia desc	Certified that tne material described has been inspected, tested and confirms
Marking on Material . Heat No, Pressure Test-"P"	izi, Heat No, 9	ressure Te	"d"-15%												Ţ	the requirme	to the requirments of the burchase order.
1. Ali Body Has Been Pressure Tested in air Under Water	en Pressure Te	sted in air	Under Wa	ői	SSBAR for 1 Minuts	977											
E. Ali Body Are Seat tested & Punched "S"	at tested & Pun	cned "S"				1~											
3. Material Confirm to NACE MR 0175/ISO 15136-2015 for Hardness	m to NACE MR	0175/150	15156-20;	15 for Hardi	ness	60											, ,
4. Visual Inspection As per MSS-SP-SS	in "As per MSS.	-SP-55				ซา่											
-00																	