This continue   This continu	*	ري	COSTANOX		COSTANOX ACOS INOXIDAVEIS LTDA Rua Quartzos - 7	COS INOXIDA	VEIS LTDA		CERTI	<b>LIFICA</b>	DO DE	QUA	FICADO DE QUALIDADE		Núm. Certificado / Internal Mill Test Report Num: Data / Date:	Ficado / Inte	rnal Mill Te	est Report		1447 05/15/2024	
Núm. Cert.   Cód.   Descrição de Material   Code   Specification Of Material   Code   Code   Specification Of Material   Code   Code		Dis	tribuidora de açc		ossa Senhora da Per CNPJ: 05.455.609/00	nha - Vila Velha - E 001-79 INSC. EST.	.S - 29.110-172 .082.192.766			MILL	<b>FST</b>	REPOF	ZT.		Nota Fiscal Emissor / E	/ Invoice:			23015 Vila Ve	23015 Vila Velha - ES	
Item         Pi         Num. Cert.         Code         Specification of Material         Activation of Material         Activat	0	liente:	er.	3 - GM GESTA	AO CORPOR	ATIVA LTD	A	62	8644		05/31	+			OF/PI:	715424					
Pi         NF         Pi         MTR Number         Code         Specification Of Material         Auantial         Auantial         Output         Pi         Auantial         Output         Pi         Auantial		Iten		Núm. Ce			ão de Mate	rial	Del.			0	uantidade	Und.	"	specifica	cão	_	Ped. Cliente	-	Mat. Partida
1   1   1   1   1   1   1   1   1   1		_		MTR Num			cation Of M	lateria!					Quantity	Unit	0,	Specification	ion		Order N°		Starting Mat
2         2         715424         86709527         12819         CH 304 4,76 (5,00) x 1250 x 3000 BA-POL/PVC - IND         Análise Química (%)         1,00         PC         AlS 304           1         1         715424         85481131         3817         CH 304 1,00 x 1250 x 3000 BA-POL/PVC - IND         Chemical Analysis         Análise Química (%)         Análise (%		-	1 715424		5938		2,50 X 122	0 X 2000 (L	.) 2B-LF/PV	C-IND			1,00		ASTM A276	0		-		-	
1   1   1   1   1   1   1   1   1   1		2					4,76 (5,00)	X 1520 X 2	000 (L) N1-	LQ (MD1)-	ND		1,00		AISI 304L					-	
Image		3	_				1,00 X 125	0 X 3000 B,	A-POL/PVC	- IND			2,00		NSI 304						٥
Hem bit limit         Pi bit limit         Pi bit limit         Find the pi bit limit         Pi bit limit         Find the pi bit limit										An	ilise Quími emical An	ca (%) alysis									
National Pietron   National P		Iten		».N	Corrida	(	č	-		(	(	:	-								
1         1         715424         530517         0,023         0,330         1,310         0,030         0,002         18,150         8,040         0,172         ™         0,470         0,610         0,172         ™         0,610         0,172         ™         0,610         0,010         0,017         0,017         ™         0,172         ™         0,172         ™         0,172         ™         0,18,00         0,172         ™         0,18,00         0,172         ™         0,18,00         0,172         ™         0,18,00         0,100         0,172         ™         0,18,00         0,100         0,172         ™         0,18,00         0,110         0,172         ™         0,18,00         0,110         0,031         0,001         1,120         0,003         0,001         1,790         8,010         0,172         ™         1,110         0,003         0,001         1,120         0,001         1,120         0,001         1,120         0,001         1,120         0,001         1,120         0,001         1,120         0,001         1,120         0,001         1,120         0,001         1,120         0,001         1,120         0,001         1,120         0,001         1,120         0,001 <td< td=""><td></td><td>_</td><td></td><td>_</td><td>RMP</td><td>د</td><td>7</td><td>UM.</td><td><b>L</b></td><td>n</td><td>כֿ</td><td>z</td><td>oW</td><td>n C</td><td>₹</td><td>z</td><td>F</td><td>ပိ</td><td>F</td><td>&gt;</td><td>Q N</td></td<>		_		_	RMP	د	7	UM.	<b>L</b>	n	כֿ	z	oW	n C	₹	z	F	ပိ	F	>	Q N
2         2         715424         302059A1510B         0,021         0,430         1,260         0,037         0,002         18,080         8,010         0,144         0,268         411,00           3         3         715424         96183A3202B         0,031         0,039         0,001         17,900         8,000         0,144         0,268         411,00           Item         Fersion of Test         Includestitics         Achatamento Reverso         Bending         Reverse Bending         Flantening         Reverse Bending         Flantening         Flantening         Flantening         Flantening         Flantening         Flantening         Reverse Bending         Flantening		_	1 715424		30517	0,023	Н	1,310	0,030	0,002	18,150	8,040		0,470		0,620					
3   3   715424   961833A3202B   0,031   0,400   1,120   0,039   0,001   17,900   8,000   0,144   0,268   411,00   411,		2	-		59A1510B	0,021	0,430	1,260	0,037	0,002	18,080	8,010	0,172		47	518,000	0,004	0,207			
Propried decay   Properties		3	-		33A3202B	0,031	0,400	1,120	0,039	0,001	17,900	8,000	H	,268	7	11,000	0,003	0,187			
Part			Ens	aios Não Des	trutivos								Propriedad	es Mecân	icas						
Figure   Policy   P			Non	Destructive i	Testings								Mechanic	al Propet	es						
PI         NF         PI         Test         Treatment of Management (Approximate)         Flattening         Reverse and the properties         Bending         Reverse Bending         Flattening         Flattening         Reverse Bending         Flattening         Flattening         Reverse Bending         Flattening		Item	-1	Eddy Current	Teste Pneumático	Teste Hidrostático	Achatamento	Achatamento Reverso	Dobramento	Dobramento Reverso	Flangeamento	_	L.R.(MPA)	Alongament		(%) Dureza HB	-		Teste Erichsen	Teste Oxálico	Raio X
1     1     715424     314,000     653,000     57,300       2     2     715424     318,000     656,000     50,000       3     3     715424     54,000     684,000     54,000		$\dashv$		Test	KGF/CMS	KGF/CMS	Flattening	Reverse Flattening	Bending	Reverse Bending		Yeld Strength				n of Hardness	_	Grain Size (ASTM)		Oxalic Test	X Ray
2     2     715424     318,000     656,000     50,000       3     3     715424     54,000     54,000     54,000		_	$\dashv$									314,000		57,300		86,000	000				
3 715424 289,000 684,000 54,000		$\dashv$	$\dashv$	-								318,000	Н	20,000		87,260	560				
	+	Н	+									289,000	+	54,000		78,330	330				

	Mat. Partida / Starting Mat.	ŏ	Composição Quimica
Ą	Tubo Sem Costura / Seamless Tube	O	Carbono / Carbon
В	Tubo Com Costura / Tube Welded	Si	Silício / Silicon
c	Tubo Com Costura Sem Metal de Adição	Mn	Manganês / Manganese
٥	/ Tube Welded Without Addition Of Filler	Ь	Fósforo / Phosphorus
O	Chapa / Plate	S	Enxofre / Sulfur
ш	Barra Forjada / Forged Bar	Ċ	Crômo / Chromium
ч	Bobina / Coil	Z	Níquel / Nickel
G	Conexão / Fitting	Mo	Molibdênio / Molybdenum
ı	Valvula / Valve	Cu	Cobre / Copper
		A	Alumínio / Aluminium
		z	Nitrogênio / Nitrogen
		Ti	Titânio / Titanium
		Co	Cobalto / Cobalt
		TI	Tálio / Thallium
		^	Vanádio / Vanadium
		NP	Mióbio / Niobium

Ilnu

EMISSÃO ELETRÔNICA - DISPENSADA ASSINATURA

CERTIFICAMOS QUE O(S) MATERIAL(AIS) ESTÁ(ÂQ) APROVADO(S) DE ACORDO COM AS ESPECIFICAÇÕES ACIMA RELACIONADAS WE CERTIFY THAT THE MATERIAL HAS BEEN APPROVED IN ACCORDANCE WITH THE SPECIFICATIONS LISTED ABOVE