



TECH TUBE

CERTIFICADO DE CALIDAD  
QUALITY CERTIFICATE

Tecnología en Inoxidable

FECHA/DATE: 8/Ene/10

No. CERTIFICADO: 30943

CLIENTE/CUSTOMER: LION TUBE S DE R.L. DE C.V.

DIRECCION/ADDRES: AV. CIRCUITO MEXICO NUM. 205

FACTURA/INVOICE: PEDIDO

PART	PZAS.	CLAVE	DESCRIPCION	ORDEN	ESPECIFICACION
1	200.00	CL461090	CODO 304L 6" CBD 10 90 G		ASTM A-403-WPW / 2008
2	50.00	CL481090	CODO 304L 8" CBD 10 90 G		ASTM A-403-WPW / 2008
3	100.00	CL411/44090	CODO 304L 1 1/4" CBD 40 90 G		ASTM A-403-WPW / 2008
4	200.00	CL411/24090	CODO 304L 1 1/2" CBD 40 90 G		ASTM A-403-WPW / 2008
5	200.00	CL424090	CODO 304L 2" CBD 40 90 G		ASTM A-403-WPW / 2008

CHEMICAL ANALYSIS

PART	COLADA	C	Mn	P	S	Si	Cr	Ni	Mo	N	Cu
1	157188A	0.017	1.510	0.034	0.002	0.420	18.290	8.060	0.000	0.039	0.000
2	249825B	0.020	1.430	0.039	0.007	0.470	18.100	8.090	0.000	0.032	0.000
3	247329	0.018	1.460	0.034	0.009	0.450	18.340	8.080	0.00	0.038	0.000
4	22112	0.027	1.380	0.026	0.003	0.340	18.200	8.040	0.000	0.000	0.000
5	YU153587	0.023	1.660	0.033	0.010	0.380	18.220	8.05	0.180	0.041	0.320

PRUEBAS MECANICAS

MECHANICAL TEST

PART	COLADA	TENSION		CEDEN		ALARG. DURBZA		APLAS DOBLES		PEST ABOC.
		P.S.I.	P.S.I.	P.S.I.	P.S.I.	%	HRB			
1	157188A	91497	91200	40600	40873	49	82	OK	N/A	N/A
2	249825B	91973	91700	40600	40893	51	84	OK	N/A	N/A
3	247329	87660	87500	40100	41080	51	83	OK	N/A	N/A
4	22112	92505	92365	41180	42940	53	83	OK	N/A	N/A
5	YU153587	91375	91205	40745	50160	50	81	OK	N/A	N/A

50 81

PRUEBA HIDROSTATICA (HIDROSTATIC TEST) SI/YES ( ) NO ( X )

TEST PRESSURE RESULT:

CORRIENTES PARASITAS (EDDY CURRENT TEST) SI/YES ( X ) NO ( )

RESULT: SATISFACTORY

CERTIFICAMOS QUE EL MATERIAL AQUI DESCRITO CORRESPONDE AL NUMERO DE COLADA Y COMPOSICION TAL COMO LO PROPORCIONA EL PROVEEDOR DE LA MATERIA PRIMA, ESTANDO DE ACUERDO CON LOS REQUISITOS DE LA NORMA CORRESPONDIENTE.

WE CERTIFY THAT THE MATERIALS DESCRIBED HERE CORRESPOND TO THE HEAT NUMBER AND CHEMICAL COMPOSITION AS FURNISHED BY THE PRODUCING MILL, BEING IN FULL COMPLIANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS NOTED.

PLEASE RETURN TO THE HEAT NUMBER PRODUCING MILL OF THE QUALITY CONTROL DEPARTMENT

QUALITY ASSURANCE MANAGER

FECHA

21 Feb 2010

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FIRMA

Franque 2012