

REPORT N. Rapporto N.	TC-017374-16-0002	Issued on Emesso il	13/05/2016	Customer Cliente	PROVEEDORA DE MATERIALES ANCR SA DE CV, AV ADOLFO LOPEZ MATEOS 150, COL LAGRANGE, SAN NICOLAS DE LOS GARZA, N.L. - 66490, MEXICO	Job n. / Com. n.	17374	Page n. / Pagina n.	1 of 10
Revision Revisione	0	According to In accordo a	EN 10204:2004 UNI EN 10204:2005	Type Tipo	3.1	Purchase order and project/Ordine e progetto 340			

DESCRIPTION / DESCRIZIONE

Test Prova	Item Pos.	Qty Q.tà	Customer code Codice cliente	Material Materiale	Heat Colata	Product Prodotto
JDCR	1	1000		A/SA105-14	13/75630	90 DEG. ELBOW S. 3000 NPT A/SA105N 1/2
JXBU	4	500		A/SA105-14	13/76229	90 DEG. ELBOW S. 3000 NPT A/SA105N 1.1/4
STXU	5	1320		A/SA105-14	P3131335943	90 DEG. ELBOW S. 3000 NPT A/SA105N 2
JFSB	6	50		A/SA105-14	13/38293 UTM	90 DEG. ELBOW S. 3000 NPT A/SA105N 3
JDDN	9	300		A/SA105-14	13/77111	45 DEG. ELBOW S. 3000 NPT A/SA105N 1

Test Prova	HEAT TREATMENT DATA AND REFERENCES TO OTHER CERTIFICATES / Dettagli di trattamento termico e riferimenti ad altri certificati	RAW AND FORGING MATERIAL CERTIFICATES / Certificati di acciaieria/forgia
JDCR	MATERIAL PRODUCED BY ELECT.FURNACE-NORMALIZED AT 880 C COOLED IN STILL AIR.	CERT.FC-004486-13-0009.MEGA/CERT.538.MEGA*
JXBU	MATERIAL PRODUCED BY ELECT.FURNACE-NORMALIZED AT 880 C COOLED IN STILL AIR.	CERT.FC-004486-13-0020.MEGA/CERT.885.MEGA*
STXU	MATERIAL PRODUCED BY ELECT.FURNACE-NORMALIZED AT 880 C COOLED IN STILL AIR.	CERT.FC-005265-15-0019.MEGA/CERT.2114.MEGA*
JFSB	MATERIAL PRODUCED BY ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.	CERT.4288.METFAR*
JDDN	MATERIAL PRODUCED BY ELECT.FURNACE-NORMALIZED AT 880 C COOLED IN STILL AIR.	CERT.FC-004486-13-0015.MEGA/CERT.735.MEGA*

Test Prova	Test loc. Preso a	Orient. Direz.	TENSILE TEST AT ROOM TEMPERATURE / Trazione a temperatura ambiente							CVN (KV) / Prova di resilienza					Bend [B] Flatt. [F] Piega Schiacc.	Hardness Durezza
			Specimen / Provino			Yield strength Snerv. [Mpa] Min:	Tensile strength Rottura [Mpa] Min:	Elongation Allung. [%] Min:	Red. Of Area Contraz. [%] Min:	Dimens. Dimens. [mm]	T Temp. [°C]	Abs. Energy Energia ass. [J]	Shear A Area d [%]	Lat Exp Esp. Lat. [mm]		
			Shape Forma	A [mm ²] Sezione	L [mm] Lungh.											
JDCR	T/2	LONG	Round	30.800	25.000	266.800	492.200	40.000	65.600	10x10x55	0	105-64-89	--	--	HBW 144-146	
JXBU	T/2	LONG	Round	30.500	25.000	290.200	496.300	36.200	64.300	10x10x55	0	102-93-96	--	--	HBW 145-150	
STXU	T/2	LONG	Round	123.900	50.000	298.400	492.500	23.200	62.600	10x10x55	0	110-108-112	--	--	HBW 139-140	
JFSB	T/2	LONG	Round	61.400	35.000	300.000	503.000	36.500	61.000	10x10x55	0	18-15-16	--	--	HBW 142-147	
JDDN	T/2	LONG	Round	30.100	25.000	286.800	505.400	36.800	66.700	10x10x55	-11	66-59-71	--	--	HBW 140-142	

Test Prova	C [%]	Si [%]	Mn [%]	S [%]	P [%]	Cr [%]	Ni [%]	Mo [%]	Ti [%]	Cu [%]	V [%]	Al [%]	H [%]	Nb [%]	N [%]	Sn [%]	O [%]	B [%]	Fe [%]	Zr [%]	CE ^A [%]	PREN ^B [%]	X fact. ^C [%]	J fact. ^D [%]
JDCR	0.1800	0.2200	0.9200	0.0070	0.0150	0.1200	0.0500	0.0100	0.0190	0.1200	0.0020	0.0260		0.0010		0.0070						0.3710		
JXBU	0.1800	0.2300	0.8900	0.0080	0.0140	0.0900	0.0600	0.0100	0.0200	0.1900	0.0010	0.0260		0.0020		0.0100						0.3651		
STXU	0.1750	0.1900	1.0400	0.0060	0.0150	0.1500	0.0170	0.0080		0.0210	0.0030	0.0310	0.00019	0.0030	0.0065		0.0020	0.0003				0.3830		
JFSB	0.1950	0.2100	0.9600	0.0100	0.0060	0.0900	0.0600	0.0100	0.0170	0.1500	0.0010	0.0280		0.0020	0.0085	0.0080		0.0003				0.3892		
JDDN	0.2000	0.1900	0.8600	0.0100	0.0150	0.1200	0.0600	0.0100	0.0170	0.1600	0.0020	0.0250		0.0020		0.0090						0.3843		

REMARKS / Note

1: MATERIAL ACCORDING TO NACE MR0175/ISO 15156-1-2-3 Ed.2009
 2: MATERIAL ACCORDING TO ASME Sect. II Part. A 2015 Edition.
 3: FULLY KILLED STEEL AND FINE GRAIN TREATED

A: CE = C + Mn/6 + (Cr+Mo+V)/5 + (Cu+Ni)/15 | B: PREN = Cr + 3.3Mo + 16N
 C: X factor = (10P + 5Sb+4Sn+As)/100 - elements expressed in ppm
 D: J factor = ((Mn + Si) (P + Sn)) x 10E4

Quality inspector representative

Riccardo Scorsetti

Ispettore controllo qualità

Additional elements: