

M.E.G.A.CLIENTE
Customer
ClientPROVEEDORA DE MATERIALES ANGER
SA DE CV, AV ADOLFO LOPEZ
MATEOS 150, COL LAGRANGE,
SAN NICOLAS DE LOS GARZA, N.L.CERTIFICATO N. 592610 FOGLIO 1
Certificate N. Sheet
Certificat N. Feuille

DATA / Date 10/04/13

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLECOMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
—ISO 9001—ORDINE 263
Purchase order
CommandeCOMMESSA 98254
Job N.
Confirmation de commande

PROVA Test Epreuve	MATERIALE Material / Matière	COLATA Heat / Coulée	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Ti %	Cu %	V %	Al %	CE %
UZCN	ASTM A105/10	09/79221	0.200 --->	0.220 Nb%=	0.870 0.002	0.007 B %=	0.009 0.000	00.07 Sn%=	00.05 0.009	0.010	0.019	0.160	0.020	0.028 CEs=	0.379 0.345
VFTX	ASTM A105/11	12/31765	0.190 --->	0.220 Nb%=	0.940 0.001	0.010 B %=	0.009 0.000	00.09 Sn%=	00.05 0.006	0.010	0.019	0.120	0.011	0.024 CEs=	0.380 0.3467
PZSF	ASTM A105/09	09/79371	0.185 --->	0.230 Nb%=	0.890 0.001	0.008 B %=	0.010 0.000	00.07 Sn%=	00.04 0.007	0.010 B %=	0.018	0.110	0.018	0.026 CEs=	0.362 0.3333
URUN	ASTM A105/09	10/73989	0.185 --->	0.250 Nb%=	0.890 0.002	0.010 B %=	0.011 0.000	00.12 Sn%=	00.07 0.008	0.020	0.017	0.150	0.023	0.022 CEs=	0.380 0.3333
VLST	ASTM A105/11	P4111146303	0.180 --->	0.175 Nb%=	1.050 0.0018	0.006 B %=	0.015 0.0001	00.12 Sn%=	00.02 0.000	0.003	0.000	0.028	0.003	0.033 CEs=	0.383 0.355
URTL	ASTM A105/11	202149	0.160 --->	0.177 Nb%=	1.064 0.001	0.007 B %=	0.011 0.000	00.13 Sn%=	00.14 0.010	0.031 As%=	0.000	0.197	0.001	0.040 CEs=	0.394 0.3373

PROVA Test Epreuve	PROVETTA Test specimen / Epreuve		SNERVAMENTO MPa \geq Yield strength Limite d'élasticité	ROTTURA MPa \geq Tensile strength Rupture	ALLUNGAMENTO % \geq Elongation Allongement	CONTRAZIONE % \geq Reduction of area Striction	DUREZZA HB Hardness Dureté	PIEGA Bend test Pliage	SCHIACC. Flatt. test Aplattiss.	RESILIENZA Impact test / Résilience			
	SEZIONE Section / Sect.	LUNGHEZZA Length / Longueur								UNITÀ MIS. UM	TIPO Type	T. °C Test temp	VALORE / Value / Données
UZCN	1	30.6 25.0	304.2	525.1	32.4	69.5	143-146			J	KV	0	58-66-59
VFTX	1	30.5 25.0	299.5	499.7	39.1	73.1	146-148			J	KV	0	129-108-102
PZSF	1	60.1 35.0	293.0	502.0	33.2	71.5	137-143			J	KV	0	36-46-42
URUN	1	30.4 25.0	490.4	529.6	32.8	68.7	147-149			J	KV	0	90-113-130
VLST	1	30.2 25.0	258.2	491.1	34.8	68.5	141-143			J	KV	0	115-115-121
URTL	1	59.3 35.0	312.1	504.1	40.4	71.5	149-151			J	KV	0	118-103-91

PROVA Test Epreuve	NOTE / Remarks / Notes	FORMA Shape / Forme
	EN10204-2005/3.1	1 = <input checked="" type="checkbox"/> 2 = <input type="checkbox"/>

UZCN	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.11940.MEGA/I*583383MEGA
VFTX	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.12521.MEGA/I*590279MEGA
PZSF	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10993.MEGA/I*572139MEGA*
URUN	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.11385.MEGA/I*577225MEGA
VLST	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.12268.MEGA/I*587020MEGA
URTL	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.12366.MEGA/I*587879MEGA

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
UZCN	003	5000		90 DEG. ELBOW S. 3000 NPT A/SA105N 1/2	OK
VFTX	005	2460		90 DEG. ELBOW S. 3000 NPT A/SA105N 1	OK
PZSF	015	21		45 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
URUN	015	663		45 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
VLST	015	18		45 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
URTL	019	2010		TEE S. 3000 NPT A/SA105N 1/2	OK

NOTE / Remarks / Notes	ENTE UFFICIALE DI COLLAUDO Inspection Authority Service Inspection Official	CAPO COLLAUDO Chief Inspection DPT Responsable assurance qualité
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MATERIAL ACCORDING TO NACE MR0175 / ISO 15156-1-2-3 Ed.2009		DOC. CERT. M.E.G.A. Emmanuel Centemeri
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