

	I.M.L. - INDUSTRIA MECCANICA LIGURE S.P.A. Via Giancarlo Farina, 25 - 16030 Casarza Ligure - GE - ITALY Tel. +39 0185 467661 - Fax +39 0185 466510 - E-mail quality.imal@farinagroup.com MATERIAL TEST DEPARTMENT	COMPANY WITH QUALITY SYSTEM ISO 9001: 2008 CERTIFIED BY RINA CERT. N°23/91/S
	INSPECTION CERTIFICATE EN 10204:2004 / 3.1	

Nr 24535	Dated 26.09.2013
----------	------------------

Purchase Order Nr	I-1030740 HOU
Item Nr	011
Packing List Nr	1173
Invoice Nr	1054

Heat Code	Heat Nr	Quantity	Description
UBU	12/35151	10,00	FITTING RED.TEE SW 3M 3"x2" A105N

Element	C	Si	Mn	S	P	Cr	Ni	Mo	Ti	Cu
ASTM A105 (LADLE)	0,195	0,230	0,950	0,010	0,005	0,080	0,060	0,010	0,015	0,140

Element	V	Nb	N	AL	C.E.	PRE
ASTM A105 (LADLE)	0,002	0,001	0,010	0,025	0,385	-

Test specimen	Shape	Tensile	Yeld Strenght > 0,2%	Yeld Strenght >1%	Elongation	Reduction of area
Sect. mm2	Lenght mm	1=O - 2=□ N/mm2	N/mm2	N/mm2	%	%
122,65	50,00	1 512,0	345,0	-	32,5	61,5

HARDNESS		IMPACT TEST				
HBW	TYPE	Test specimen	°C	1-Joule	2-Joule	3-Joule
160,0 - 166,0		10x10mm	-10	67	70	75

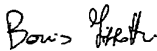

Heat treatment	Normalized at 880°-920°C / Air Cool	ELECTRIC FURNACE
----------------	-------------------------------------	------------------

Dimension in accordance	ASME B16.11 Ed.2011 - NACE MR 0175 ISO 15156 Ed.2009 - MSS SP25 Ed.2008 - NACE MR 0103 Ed. 2012 - SUPPLIED MATERIAL MEETS SPECIFICATIONS AND P.O. REQUIREMENTS
-------------------------	--

Material in accordance	ASME SA ASTM A105-11a
------------------------	-----------------------

Visual & Dimensional	SATISFACTORY	Origin	EUROPEAN UNION	Our Ref.	2013-2E201-0000993-0011
----------------------	--------------	--------	----------------	----------	-------------------------

Notes —

QUALITY CONTROL DEPT. <i>Boris Fizzotti</i> 	INSPECTION AUTHORITY	MANUFACTURER'S SYMBOL IML or 
---	----------------------	---