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DOC : V/0080541505 DATE : 2016-10-28 PROD. REF. : 0000391144/005 NRBST : 83575/01 PAGE : 1/ 2

CERTIFICATE EN 10204-3.1

YOUR ORDER NUMBER : 4500900287
 OUR ORDER NUMBER : 83575/01
 DOCUMENT NUMBER : V/0080541505

CUSTOMER : TIBNOR OY

ASPONKATU 12
 PIN-04400 J?RVENP??

DIMENSIONS : 2500 X 1250 X 1MM
 ARTICLE NO. :
 DESCRIPTION: ALU SHEETS EN 5005 H14 ANOD NAT 15MU + PE

ORIGIN OF GOODS : EUROPEAN UNION (BELGIUM)

CHEMICAL COMPOSITION (WEIGHT %)

COIL NUMBER	CAST NUMBER	SI	FE	CU	MN	MG	CR	ZN
001	2741301	0,30	0,7	0,20	0,20	1,1	0,10	0,25
		0,16	0,4	0,01	0,02	0,79	0,01	0,01
		OTHERS : EACH			MIN		0,05 MAX	
		TOTAL			MIN		0,15 MAX	

MECHANICAL PROPERTIES
 (L) = LONGITUDINAL
 (T) = TRANSVERSAL
 (V) = FRONT END
 (M) = MIDDLE
 (R) = REAR END
 1 N/MM2 = 0,1 MPa
 1 MPa = 102 KG/MM2 = 0,145 KSI
 /A = RANDOM SAMPLING

TEST-NUMBER	RM (T) MPa	RP02 (T) MPa	A50 (T) %
001	174	166	3
001	172	163	3

UNLESS OTHERWISE MENTIONED, FOLLOWING STANDARDS ARE APPLICABLE :

CHEMICAL COMPOSITION	: EN 573-3	/	MECHANICAL PROPERTIES	: EN 485-2 ; EN 683-2 (FINSTOCK)
TOLERANCES ON DIMENSIONS AND FORM	: EN 485-3 (HOT) / EN 485-4 (COLD)	/	TENSILE TESTING	: ISO 6892-1 ; EN 683-2 (FINSTOCK)
HARDNESS BRINELL	: EN ISO 6506-1	/		: DIN 29850

THE DELIVERY IS IN ACCORDANCE WITH THE ORDER
 THIS CERTIFICATE IS GENERATED BY COMPUTER.



CONSTRUCTION PRODUCTS REGULATION.
 EN 15088 - (EU) NO 305/2011/EC - DOP NR AAD001
 (HTTP://WWW.ALERIS.COM/LOCATIONS/EUROPE/DUFFEL)

0780

DATE SOLUTION HEAT TREATMENT COIL NUMBER



01630266

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HEAD OF LABORATORY,
XAVIER SCHELLIJNS

A handwritten signature in black ink, appearing to read "Xavier Schellijns". The signature is written in a cursive, somewhat stylized script. It is located below the printed name of the Head of Laboratory.