



Aleris Aluminum Duffel BVBA
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CERTIFICATE EN 10204-3.1

YOUR ORDER NUMBER : PO56006
 OUR ORDER NUMBER : 26460/03
 DOCUMENT NUMBER : V/0080572934

CUSTOMER : BE GROUP OY AB
 HELSINGINTIE 50
 FIN-15101 LAHTI

DIMENSIONS : 3000 X 1500 X 3MM
 ARTICLE NO.: 4100301109
 DESCRIPTION: ALU SHEETS EN 5754 H22

ORIGIN OF GOODS : EUROPEAN UNION (BELGIUM)

CHEMICAL COMPOSITION (WEIGHT %)

| COIL NUMBER | CAST NUMBER | SI | FE | CU | MN | MG | CR | TI | ZN |
|-------------|-------------|-------------|------|-------|------|------------|------|------|------|
| 001 | 0042226 | 0,40 MAX | 0,40 | 0,10 | 0,50 | 2,6 3,6 | 0,30 | 0,15 | 0,20 |
| | | 0,21 | 0,35 | 0,05 | 0,28 | 3,2 | 0,05 | 0,03 | 0,04 |
| OTHERS : | | CR + MN : | | MIN - | | MAX | | | |
| EACH : | | : | | MIN | | 0,05 | | MAX | |
| TOTAL : | | : | | MIN | | 0,15 | | MAX | |

MECHANICAL PROPERTIES

TEST-NUMBER : RM (T) : 220
 MIN : 270
 MAX : 237 /M

1 N/MM2 = 1 MPA = 0,1 HEAR = 0,145 KSI
 /A = REAR END /M = MIDDLE /V = FRONT END /O = RANDOM SAMPLING

(T) = TRANSVERSAL (L) = LONGITUDINAL
 /A = REAR END /M = MIDDLE /V = FRONT END /O = RANDOM SAMPLING

RF02 (T) : A50 (T)
 MPA : 130
 % : 10

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UNLESS OTHERWISE MENTIONED, FOLLOWING STANDARDS ARE APPLICABLE :

CHEMICAL COMPOSITION TOLERANCES ON DIMENSIONS AND FORM : EN 573-3 / EN 485-3 (HOT) ; EN 485-4 (COLD) / T4-T6
 HARDNESS BRINELL : EN ISO 6506-1 / MECHANICAL PROPERTIES : EN 485-2 ; EN 683-2 (FINSTOCK)
 TENSILE TESTING : ISO 6892-1 ; DIN 29850

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

DATE SOLUTION HEAT TREATMENT COIL NUMBER



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HEAD OF LABORATORY,
XAVIER SCHELTJENS