



Aleris Aluminum Duffel BVBA  
 A. Stocletlaan 87  
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 www.aleris.com

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CERTIFICATE EN 10204-3.1

YOUR ORDER NUMBER : P049906  
 OUR ORDER NUMBER : 14575/03  
 DOCUMENT NUMBER : V/0080554710

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         | 0314112     | 0,40<br>MAX | 0,40 | 0,10 | 0,50 | 2,6<br>3,6 | 0,30 | 0,15 | 0,20 |
|             |             | 0,14        | 0,21 | 0,02 | 0,25 | 3,3        | 0,04 | 0,01 | 0,00 |

OTHERS : CR + MN : 0,10 MIN - 0,6 MAX  
 EACH : 0,05 MAX  
 TOTAL : 0,15 MAX

MECHANICAL PROPERTIES

(T) = TRANSVERSAL (L) = LONGITUDINAL  
 1 N/MM2 = 1 MPA = 0,1 HEAR = 0,102 KG/MM2 = 0,145 KSI  
 /A = REAR END /M = MIDDLE /V = FRONT END /O = RANDOM SAMPLING

| TEST-NUMBER | MIN | MAX | RP02 (T) MPA | A50 (T) % |
|-------------|-----|-----|--------------|-----------|
| 001         | 220 | 270 | 130          | 10        |
|             | 233 | 149 | 24           |           |

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  
 HARDNESS BRINELL : EN ISO 6506-1 / T4-T6 : DIN 29850

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

DATE SOLUTION HEAT TREATMENT COIL NUMBER  
 001 : WEEK 09 / YEAR 2017



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HEAD OF LABORATORY,  
XAVIER SCHELTJENS