



Inspection certificate 3.1

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|------------------------|------------------------------------|----------------------------------|
| Cert No: 981418 | According to: EN 10204:2004 | Date of issue: 03/11/2023 |
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|--------------------------------------|---|------------------------------|
| Customer: ALUMECO ApS | Order No: 1000023797/10 | OrderDate: 25/10/2023 |
| Alloy/Temper: EN AW-6082 / T6 | Cust. Order No: 120645718/10 (1002034) | |
| Profile Code: 020029 | Description: FLAT BAR 30x15 | |

The extruded products are in compliance with the requirements of the order. The stated values are representative for the profiles extruded and comply with the following European Standards:

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|--|----------------------|
| i. Chemical composition and form of products according to: | EN 573-3:2019 |
| ii. Technical conditions for inspection and delivery according to: | EN 755-1:2016 |
| iii. Mechanical properties according to: | EN 755-2:2016 |
| iv. Tolerances on dimensions and form according to: | EN 755-5:2008 |
| v. Temper designation according to: | EN 515:2017 |

1. Chemical Composition

| EN AW-6082 | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Other | | Al |
|--------------------------|-----------|------|-------|-----------|-----------|-------|-------|-------|-------|-------|------|
| | | | | | | | | | Each | Total | |
| Should be within: | 0,70-1,30 | 0,50 | 0,10 | 0,40-1,00 | 0,60-1,20 | 0,25 | 0,20 | 0,10 | 0,05 | 0,15 | Rest |
| Charge No: 100224 | 1 | 0,21 | 0,008 | 0,41 | 0,7 | 0,002 | 0,008 | 0,021 | 0,05 | 0,15 | Rest |

The chemical composition test results are obtained by the aluminium billet supplier. Traceability procedures are being operated and the corresponding inspection documents can be provided.

2. Mechanical Properties

| Inspection Date | Charge No | Bundle Nr | Profile | Alloy | Temper | Webster Hardness | Tensile Strength Rm (N/mm ²) | Yield Strength Rp 0,2 (N/mm ²) | Elongation A% |
|-----------------|---------------|-----------|---------|-------|--------|------------------|---|---|---------------|
| 02/11/2023 | 100224 | 981418 | 020029 | 6082 | T6 | 16 | 319 | 288 | 11,09 |

The material hardness is tested after the heat treatment procedures. Traceability procedures are being operated and the corresponding inspection documents can be provided.

Mechanical properties as 755-2 indicated, are derived from tensile tests as per EN 6892-1:2019 and the number of specimens comply with the regulations described in EN 755-1.

COSMOS Aluminium


Yannis Mamekas

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