



## Inspection certificate 3.1

Cert No: <b>1026325</b>	According to: <b>EN 10204:2004</b>	Date of issue: <b>11/04/2024</b>
-------------------------	------------------------------------	----------------------------------

Customer: <b>ALUMECO ApS</b>	Order No: <b>1000029841/40</b>	OrderDate: <b>03/04/2024</b>
Alloy/Temper: <b>EN AW-6082 / T6</b>	Cust. Order No: <b>120665201/40 ( 1002034 )</b>	
Profile Code: <b>020029</b>	Description: <b>FLAT BAR 30x15</b>	

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:

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

### 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: <b>100579</b>	1,09	0,22	0,015	0,47	0,74	0,003	0,015	0,024	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 <sup>2</sup> )	Yield Strength Rp 0,2 (N/mm <sup>2</sup> )	Elongation A%
09/04/2024	<b>100579</b>	1026325	020029	6082	T6	16	321	288	10,2

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

Production Manager