

Customer
Precision Aerospace Inc.
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Manufacturer
ACME Metal Works GmbH
Industrial Park 123
52066 Aachen, DE
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Digital Material Passport

ID	DMP-METAL-003	Version	1.0.0
Issue Date	2025-05-15	Certificate Type	EN 10204 3.1

Business Transaction

Order		Delivery	
Order ID	PO-34567	Delivery ID	DN-89012
Position	3	Position	1
Date	2025-04-25	Date	2025-05-14
Quantity	500 kg	Quantity	500 kg

Product Information

Product Name	Aluminum Alloy 7075-T6
Batch ID	H-43210-01
Heat Treatment	Solution treated and artificially aged (T6)
Surface Condition	Rolled
Production Date	2025-05-12
Country of Origin	DE

Material Designations

System	AA UNS
Designation	7075-T6 A97075

Product Shape

Form	Plate
Length	2000 mm
Width	1000 mm
Thickness	10 mm

Chemical Analysis

Heat Number	H-43210
Melting Process	VAR
Casting Date	2025-05-10
Sample Location	Ladle

Elements

Symbol	Al	Zn	Mg	Cu	Cr
Unit	%	%	%	%	%
Min	-	5.1	2.1	1.2	0.18
Max	-	6.1	2.9	2.0	0.28
Actual	89.7	5.6	2.4	1.5	0.22

Mechanical Properties

Property	Symbol	Unit	Actual	Minimum	Maximum	Method	Status
Tensile Strength	Rm	MPa	572	530		ASTM E8	✓
0.2% Yield Strength	Rp0.2	MPa	505	480		ASTM E8	✓
Elongation	A	%	11	10		ASTM E8	✓

Validation

We hereby certify that the material described above has been manufactured and tested in accordance with AMS 4045 and the specified test methods. All results are within the specified limits.

Validated By

Name	Title	Department	Date
Elsa Müller	Materials Engineer	Quality Assurance	2025-05-15