



Manufacturer
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Customer

GLOBAL INDUSTRIES

Business Park
20000Commerce City
FR

Digital Material Passport

ID	DMP-X12345-2024-DC	Version	1.0.0
Issue Date	2024-04-22	Certificate Type	

Business Transaction

Order	Delivery	Order ID	Delivery ID
		ORD98765-DC	DEL45678-DC
Date	Date	2024-01-15	2024-02-27
Quantity	Quantity	100 pcs	250 kg

Product Information

Product Name	Flat Bar Alloy 40 x 4 x 6000 mm (STD-101)
Batch ID	B12345
Surface Condition	T66

Material Designations

Name (AA)	AI 6060 T66
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Product Shape

Form	FlatBar
Length	6000 mm
Width	40 mm
Thickness	4 mm

Packaging and Marking

Marking
Batch number B12345-AL6060-T66 laser marked on end face with clear legibility. Material grade 6060-T66 deeply stamped on side surface with excellent legibility.

Packaging
Wooden crates, 25 pieces per crate. Crate dimensions 6000 x 200 x 150 mm in good condition.

Coloring
Full anodizing in silver color for protection.

Chemical Analysis

Heat Number	H98765
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Elements

Symbol	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
Unit	%	%	%	%	%	%	%	%	%
Min	0.3	0.1	0.05	0.03	0.35	0	0	0	97.9
Max	0.6	0.3	0.1	0.05	0.8	0.05	0.15	0.1	99.3
Actual	0.4502	0.1625	0.085	0.043	0.7125	0.025	0.015	0.008	98.547

Mechanical Properties

Property	Symbol	Actual	Minimum	Maximum	Method	Status
Yield Strength						
Individual Values		# 1	# 2	# 3	# 4	# 5
Value [MPa]		212	215	214	213	216
Statistics		Mean	Min/Max	Std Dev		
EN ISO 6892-1 tensile testing of 5 specimens		214	212 / 216	1.6 (Sample)		
Tensile Strength						
Individual Values		# 1	# 2	# 3	# 4	# 5
Value [MPa]		243	247	245	244	246
Statistics		Mean	Min/Max	Std Dev		
EN ISO 6892-1 tensile testing of 5 specimens		245	243 / 247	1.6 (Sample)		
Elongation						
Individual Values		# 1	# 2	# 3	# 4	# 5
Value [%]		12.8	13.2	12.5	12.9	13.1
Statistics		Mean	Min/Max	Std Dev		
EN ISO 6892-1 tensile testing of 5 specimens		12.9	12.5 / 13.2	0.3 (Sample)		

Validation

We hereby certify that the product mentioned above fulfills the specifications according to the relevant standards. The material described has been tested and complies with terms of the order contract including delivery conditions.

Validated By

Name	Title	Department	Date
John Smith	Quality Manager	Quality Assurance	2024-04-22

Data schema maintained by [Material Identity](#).

<https://schemas.materialidentity.org/metals-schemas/v0.1.1/schema.json>