Manufacturer

华强钢铁有限公司

CN
518000
深圳市
工业开发区钢铁大道888号
quality@huaqiangsteel.com.cn

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	ORD98765-DC	*Delivery ID*	DEL45678-DC
Date	2024-01-15	*Date*	2024-02-27
Quantity	100 pcs	*Quantity*	250.0 kg

Product Information

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

Material Designations

System	AA
Designation	Al 6060 T66

Product Shape

Form	FlatBar
Length	6000 mm
Width	40 mm
Thickness	4 mm

Delivery Conditions

Coloring

Method	Anodizing
Color	Silver
Coverage	Full
Purpose	Protection

Marking

Type	Laser
Content	B12345-AL6060-T66
Location	End face
Legibility	Clear

Bundles

Type	Crated
Quantity	25
Dimensions	6000 × 200 × 150 mm
Material	Wooden crate
Condition	Good

Stamping

Location	Side surface
Content	6060-T66
Depth	Deep
Legibility	Excellent

Chemical Analysis

Heat Number	H98765

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	0.0	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	214.0	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	245.0	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