ACME METALS

Manufacturer

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Customer

GLOBAL INDUSTRIES

Business Park
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Digital Material Passport

ID	DMP-X12345-2024	*Version*	1.0.0
Issue Date	2024-04-22	*Certificate Type*	EN 10204 3.1

Business Transaction

Order		**Delivery**	
Order ID	ORD98765	*Delivery ID*	DEL45678
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

Chemical Analysis

Heat Number	H98765

Elements

Symbol	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ni	Pb	Ti	N
Unit	%	%	%	%	%	%	%	%	%	%	ppm
Min	0.3	0.1	-	-	0.35	-	-	-	-	-	-
Max	0.6	0.3	0.1	0.1	0.6	0.05	0.15	0.05	0.05	0.1	2000
Actual	0.4502	0.1625	5.0E-4	0.056	0.3795	0.004	0.005	0.0051	0.0012	0.0148	200

Mechanical Properties

Property	Symbol	Actual	Minimum	Maximum	Method	Status
Yield Strength						-

Individual Values			#1	#2	#3
Value [MPa]			171.2	172.5	174.0

Statistics	Mean	Min/Max	Std Dev
	172.56	171.2 / 174.0	

Tensile Strength — -

Individual Values			#1	#2	#3
Value [MPa]			219.8	220.3	221.0

Statistics	Mean	Min/Max	Std Dev
	220.35	219.8 / 221.0	

Elongation — -

Individual Values			#1	#2	#3
Value [%]			12.5	12.8	13.2

Statistics	Mean	Min/Max	Std Dev
	12.83	12.5 / 13.2	

Hardness — -

Individual Values	#1	#2	#3	#4	#5
Value [HBW]	74	75	76	75	76

Statistics	Mean	Min/Max	Std Dev
ASTM E10 statistical analysis	75.2	74 / 76	0.84 (Sample)

Validation

We hereby certify that the product mentioned above fulfills the specifications according to the European Standards EN 755-8. The material described has been tested and complies with terms of the order contract.

Validated By

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