

Customer
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Manufacturer
ACME Metal Works GmbH
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Digital Material Passport

ID	DMP-METAL-001	Version	1.0.0
Issue Date	2025-05-14	Certificate Type	EN 10204 3.1

Business Transaction

Order		Delivery	
Order ID	PO-78901	Delivery ID	DN-56789
Position	10	Position	1
Date	2025-04-20	Date	2025-05-12
Quantity	5000 kg	Quantity	5000 kg

Product Information

Product Name	Structural Steel S355J2
Batch ID	H-10987-02
Heat Treatment	Normalized
Surface Condition	Hot-rolled
Production Date	2025-05-09
Country of Origin	DE

Material Designations

System	EN
Designation	1.0577

Product Shape

Form	RoundBar
Length	6000 mm
Diameter	50 mm

Chemical Analysis

Heat Number	H-10987
Melting Process	EAF+LF
Casting Date	2025-05-08
Sample Location	Ladle

Elements

Symbol	C	Mn	Si	P	S	N	CEV
Unit	%	%	%	%	%	%	%
Min	-	-	-	-	-	-	-
Max	0.2	1.6	0.5	0.025	0.02	0.009	0.45
Actual	0.18	1.45	0.25	0.018	0.012	0.006	0.42

Mechanical Properties

Property	Symbol	Unit	Actual	Minimum	Maximum	Method	Status
Tensile Strength	Rm	MPa	510	470	630	EN ISO 6892-1-	
Yield Strength	ReH	MPa	380	355		EN ISO 6892-1-	
Elongation after fracture	A ₅₀	%	22	20		EN ISO 6892-1-	

Validation

We hereby certify that the material described above has been manufactured and tested in accordance with the requirements of EN 10204:2004 type 3.1 and the specified standards. The results comply with the requirements.

Validated By

Name	Title	Department	Date
Johann Weber	Quality Inspector	Quality Assurance	2025-05-14