ACME METALS

Manufacturer

ACME Metal Works GmbH

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Customer

Engineering Solutions Ltd.

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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

Product Norms

Designation	EN 10025-2 (2019)
Grade	S355J2

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

Formula Definitions

CEV = C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15

Mechanical Properties

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

Data schema maintained by Material Identity. https://schemas.materialidentity.org/metals-schemas/v0.0.1/schema.json