



**Manufacturer**  
**ACME Metal Works GmbH**  
Industrial Park 123  
52066 Aachen, DE  
[quality@acme-metal.example.com](mailto:quality@acme-metal.example.com)

**Customer**  
**Global Steel Trading Ltd.**  
Commerce Way 789  
2000 Antwerp, BE  
[orders@globalsteel.example.com](mailto:orders@globalsteel.example.com)

**Digital Material Passport**

ID	DMP-METAL-006	Version	1.0.0
Issue Date	2025-05-18	Certificate Type	EN 10204 3.1

**Business Transaction**

Order		Delivery	
Order ID	PO-65478	Delivery ID	DN-98761
Position	1-10	Position	All
Date	2025-04-15	Date	2025-05-17
Quantity	75000 kg	Quantity	75000 kg

**Product Information**

Product Name	Structural Steel S355J2+N - Various Shapes
Batch ID	H-79513-03
Heat Treatment	Normalized
Surface Condition	Hot-rolled
Production Date	2025-05-16
Country of Origin	DE

**Product Norms**

Designation	EN 10025-2 (2019)
Grade	S355J2+N

**Material Designations**

System	EN
Designation	1.0577

**Chemical Analysis**

Heat Number	H-79513
Melting Process	BOF+LF
Casting Date	2025-05-15
Sample Location	Ladle

Elements

Symbol	C	Mn	Si	P	S	CEV
Unit	%	%	%	%	%	%
Min	-	-	-	-	-	-
Max	0.2	1.6	0.5	0.025	0.02	0.45
Actual	0.17	1.47	0.25	0.017	0.011	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	525 MPa	470	630	EN ISO 6892-1	-
Yield Strength	ReH	385 MPa	355		EN ISO 6892-1	-
Elongation after fracture	A	23 %	20		EN ISO 6892-1	-
Charpy V-notch Impact - Energy	KV	42 J	27		EN ISO 148-1	-

Supplementary Tests

Property	Actual	Target/Min	Maximum	Method	Status																																																																								
Product Details -- Item 1: IPE - Beam	Array data (see below)	-		Dimensional Inspection	✓																																																																								
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**Validation**

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We hereby certify that all material described above has been manufactured and tested in accordance with the requirements of EN 10025-2:2019 and EN 10204:2004 type 3.1. The results comply with the requirements for S355J2+N steel grade.

**Validated By**

<i>Name</i>	<i>Title</i>	<i>Department</i>	<i>Date</i>
Klaus Müller	Quality Control Manager	Quality Assurance	2025-05-18

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<https://schemas.materialidentity.org/metals-schemas/v0.0.1/schema.json>