



# CERTIFICATE

The Certification Body of  
TÜV SÜD Industrie Service GmbH  
Energy and Systems

certifies, that the following products:

Pipes, manufactured on basis of the following Mannesmann Line Pipe  
factory standard:  
T 11.00.001\_HS\_Q, REV 3 „HFI-geschweißte Rohre für den Transport von  
gasförmigem Druckwasserstoff“

Material	Condition	Operation Temperature	Max. Operation Pressure
L245N	HFI-Welded	-40 to 170°C	Up to 21 MPa (g)
L290NE/X42NE			
L360NE/X52NE			
L360ME/X52ME			
L415ME/X60ME			
L450ME/X65ME			
L485ME/X70ME			
J55			

of the company

Mannesmann Line Pipe GmbH  
In der Steinwiese 31  
57074 Siegen



**MANNESMANN**  
LINE PIPE

Ein Unternehmen der Salzgitter Gruppe

complies with the material requirements defined in the TÜV SÜD Standard

**P003 “Material Compatibility for Pressurized Hydrogen” REV01.**

This Certificate is only valid together with the corresponding audit report  
IS-ESZ4-20543815, dated 17.06.2024.

This certificate is valid till 16.06.2027.

**Certificate – Register-No.: KC/500604689/35/24**

**Replaces Certificate – Register No.: KC/500603843/06/22**

Munich, 25.06.2024

*R. Mayer*

Raphael Mayer  
Technical Certifier  
Certification Body Energy and Systems



*Katrin Hausmann*  
Katrin Hausmann  
Certification Body  
Energy and Systems

