

# CERTIFICATE

**TÜV NORD Systems GmbH & Co. KG**

certifies that the company

**Ludwig Freytag GmbH & Co.  
Kommanditgesellschaft  
Ammerländer Heerstraße 368  
26129 Oldenburg / Germany**

has been verified and recognized  
as welding workshop based on the requirements of the standard

**DIN EN ISO 3834-2**

Comprehensive quality requirements

**Certificate-No.: 07/204/1280/HS/1001/23**

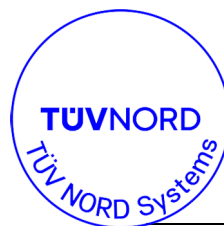
The range of validity and details of the inspection can be seen  
on the back page and in our report

No.: 8121593210

The company is using a quality assurance system,  
technical equipment, qualified personnel and procedures for joining processes.

This certificate is valid until

**July 2026**



Hamburg, 2023-07-06

Dipl.-Ing. M. Kaschner

To verify the validity of the digital signature of the TÜV NORD Systems  
employee, the installation of the TÜV NORD GROUP root certificate is  
required: <https://www.tuev-nord.de/en/customer-login/digital-signature/>

Certification body  
of TÜV NORD Systems GmbH & Co. KG  
Accredited Body

TÜV NORD Systems GmbH & Co. KG • Technikzentrum • Certification Body  
Große Bahnstraße 31 • 22525 Hamburg  
Telefon (040) 8557-0 • Fax (040) 8557-2710 • E-mail: [technikzentrum@tuev-nord.de](mailto:technikzentrum@tuev-nord.de)

## Scope of the welding activities

Only valid in relation and as an attachment to the certificate DIN EN ISO 3834 Part 3

Manufacturer: Ludwig Freytag GmbH & Co. Kommanditgesellschaft,  
Ammerländer Heerstraße 368, 26129 Oldenburg / Germany  
Cert.-no.: 07/204/1280/HS/1001/23  
Date of issue: 2023-07-06

### 1 Product(s) of the manufacturer

In the following depending on possibly further required certifications:  
Plants and pipings

### 2 Product standards and other standards (see DIN EN ISO 3834-5)

AD 2000 HP0 / HP100R, DIN EN 13445, DIN EN 13480, DVGW- and AGFW-Rules  
DIN EN ISO 9606-1, DIN EN ISO 14732  
DIN EN ISO 5817  
DIN EN ISO 15614-1 level 2

### 3 Material groups (acc. to CEN ISO/TR 15608)

1, 2, 3.1  $R_{eH} \leq 485$  MPa (2.2  $R_{eH} \leq 550$  MPa), 5.1/1.2, 8.1, 8.2, 10.1,  
11.1  $R_{eH} \leq 415$  MPa, 43

### 4 Welding processes and related material groups

Welding processes (acc. to ISO 4063) with grade of mechanization	Material groups (acc. to CEN ISO/TR 15608)
135 MAG Metal active gas welding, partly-mechanized	1, 2, 3.1 $R_{eH} \leq 485$ MPa
136 MAG Metal active gas welding, partly-mechanized	1, 2, 3.1 $R_{eH} \leq 485$ MPa (2.2 $R_{eH} \leq 550$ MPa)
136 MAG Metal active gas welding, fully mechanized	1, 2, 3.1 $R_{eH} \leq 460$ MPa
138 MAG Metal active gas welding, partly-mechanized	1, 2.1 $R_{eH} \leq 415$ MPa
138 MAG Metal active gas welding, fully mechanized	1, 2, 3.1 $R_{eH} \leq 485$ MPa
111 E Manual metall-arc welding	1, 2, 3.1 $R_{eH} \leq 485$ MPa, 5.1/1.2
141 TIG Tungsten inert gas welding, manual	1, 2, 3.1 $R_{eH} \leq 485$ MPa (2.2 $R_{eH} \leq 550$ MPa), 8.1, 8.2, 10.1, 11.1 $R_{eH} \leq 415$ MPa, 43
141 TIG Tungsten inert gas welding, fully mechanized	8.1
121 SAW Submerged arc welding, fully mechanized	1, 2, 3.1 $R_{eH} \leq 485$ MPa (2.2 $R_{eH} \leq 550$ MPa)
114 Self-shielded tubular cored arc welding „Innershield”, partly-mechanized	1 $R_{eH} \leq 430$ MPa
311 G Oxyacetylene welding, manual	1.1, 1.2 $R_{eH} \leq 360$ MPa

### 5 Responsible welding coordinators

Name	Qualification	Scope of competence and level *
Knieling, Benjamin	IWE	Responsible welding coordinator C
Janikowski, Mariusz	IWE	Deputy welding coordinator C

\* The level of knowledge complies with ISO 14731 B, S or C

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