



Industrie Service

CERTIFICATE

TÜV SÜD-SBR-DG-3324333.2023.001

Manufacturer: **Karlsruher Institut für Technologie (KIT)
Campus Nord / Technik-Haus (TEC)
Herrmann-von-Helmholtz-Platz 1
DE – 76344 Eggenstein-Leopoldshafen**

Plant(s): **Herrmann-von-Helmholtz-Platz 1
DE – 76344 Eggenstein-Leopoldshafen**

Inspection according: **AD 2000-Merkblatt HP 0 / HP 100 R
EN 13445-4
EN 13480-4**

The company

- has facilities permitting manufacturing and inspection in compliance with the current technical standards,
- operates a quality system which guarantees that manufacturing and inspection of the products stated in our report are in conformity with the technical rules and standards,
- employs qualified supervisory and inspection personnel.

The company has the welding suitability for manufacturing pressure equipment according above mentioned standards. Independently of this certificate the requirements of the respectively selected module have to be considered within the framework of manufacturing pressure equipment according to Pressure Equipment Directive 2014/68/EU.

Report no.: 2505022
Valid until: June 6, 2026

Munich, June 6, 2023

Zertifizierungsstelle
Werkstoff- und Schweißtechnik

Patrick Jäckel



EQ3324333

TÜV SÜD Industrie Service GmbH, Westendstraße 199, 80 686 München, Deutschland



Industrie Service

CERTIFICATE

TÜV SÜD-SBR-WD-3324334.2023.001

Manufacturer: **Karlsruher Institut für Technologie (KIT)
Campus Nord / Technik-Haus (TEC)
Herrmann-von-Helmholtz-Platz 1
DE – 76344 Eggenstein-Leopoldshafen**

Plant(s): **Herrmann-von-Helmholtz-Platz 1
DE – 76344 Eggenstein-Leopoldshafen**

The above mentioned company fulfills the

**comprehensive quality requirements for fusion
welding of metallic materials**

according to

EN ISO 3834-2

Contract: 2505022

Valid until: June 6, 2026

Munich, June 6, 2023



Zertifizierungsstelle
Werkstoff- und Schweißtechnik

P. Jäckel

Patrick Jäckel



EQ3324334

TÜV SÜD Industrie Service GmbH, Westendstraße 199, 80 686 München, Deutschland



The following range is certified according to EN ISO 3834-2

Scope of production: pilot plants on laboratory and technical scale

Base material(s): - 1.1, 1.2, 6,4, 22, 23, 43, 45
(Group(s) according to EN ISO/TR 15608)

Dimension of items: Thickness up to 20 mm, max. length 3,0 m,
max. \varnothing 2.000 mm, max. piece weight 1,0 t

Welding processes:
(Process numbers according to EN ISO 4063)

111	Manual arc welding
135	MAG welding with solid wire electrode
141	TIG welding with solid filler material (wire / rod)
142	Autogenous TIG welding
511	Electron beam welding in vacuum
521	Solid state laser welding

Welding supervisor: Mr. Andreas Sponda (IWE)
Deputy: Mr. Olaf Palussek (IWE)
Mr. Stephen Fischer (IWS) / Mr. Gerd Gretschnann (IWS)

Personnel for non-destructive testing:
Responsible: Mr. Olaf Palussek
Deputy: Mr. Andreas Sponda

All other relevant data are detailed in our report no 3676480-(2505022)-22.

Remarks:
None



General Provisions

Should one of the named welding and testing supervisors leave the company, or welding and test procedures or important parts of equipment required for these procedures be changed or any of the welding-related quality assurance measures be modified, this must be reported beforehand to TÜV SÜD Industrie Service GmbH (hereinafter referred to as TÜV SÜD). If necessary, TÜV SÜD will initiate a renewed inspection at the company. The same applies to the permanent discontinuance of welding work.

Should there be any doubts pertaining to the qualification of the company, TÜV SÜD shall have the right to inspect the company and to carry out tests at the company at any time without prior notification.

This certificate can be withdrawn, amended or modified with immediate effect and without any compensation, if the conditions under which it was issued have changed or if the stipulations and provisions outlined in this certificate or the pertinent report have not been observed.

This certificate shall become invalid if the welding supervisor named therein leaves the company.

The authorization shall be suspended for as long as the company does not have a recognized responsible welding supervisor and no accepted deputy is on hand.

Application for renewal should be submitted to TÜV SÜD at least 2 months prior to expiry of the certificate.

Invalid or revoked certificates must be returned immediately to TÜV SÜD.

This certificate may only be copied or published in its entirety for advertising and other purposes. The text of promotional material may not contradict this certificate.