



Industrie Service

CERTIFICATE

TÜV SÜD-SBR-WD-3267514.2023.001

Manufacturer: **VAKO Vakuumbehälter- und Apparatebau GmbH & Co. KG
Industriestraße 5
De – 57223 Kreuztal**

Plant(s): **Industriestraße 5
De – 57223 Kreuztal**

The above mentioned company fulfills the

comprehensive quality requirements for fusion welding of metallic materials

according to

EN ISO 3834-2

Contract: 3267515

Valid until: February 23, 2026

Munich, February 24, 2023



Zertifizierungsstelle
Werkstoff- und Schweißtechnik


Klaus-Peter Gros



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

Scope of production:

- piping (pressureless)
- pressure vessels according Pressure Equipment Directive
- other pressure equipment according to the Pressure Equipment Directive
- large-volume hydrogen tanks with a capacity of up to approx. 100,000 litres

Base material(s):
(Group(s) according to EN ISO/TR 15608)

- 1.1, 1.2, 4.1, 4.2, 5.1, 5.2, 5.3, 5.4, 8.1, 8.2, 8.3

Dimension of items:

Thickness up to 150 mm, max. length 45 m,
max. \varnothing 4500 mm, max. piece weight 100 t

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

141	TIG welding with solid filler material (wire/rod)
111	Manual metal arc welding (metal arc welding with covered electrode)
121	Submerged arc welding with solid wire electrode
135	MAG welding with solid wire electrode
136	MAG welding with flux cored electrode

Welding supervisor: Mr. Alexander Schlotter (IWS)
Deputy: Mr. Thomas Dietz (IWS)

Personnel for non-destructive testing:
Responsible: Mr. Alexander Schlotter
Deputy: Mr. Fabian Leopold

All other relevant data are detailed in our report no R-(3267515)-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This certificate can be withdrawn, amended or modified with immediate effect and without any compensation, if the conditions under which it was issued have changed or if the stipulations and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.