



Industrie Service

CERTIFICATE

The Notified Body - 0036 -
of TÜV SÜD Industrie Service GmbH

certifies that

Rosswag GmbH
August-Rosswag-Str. 1
DE-76327 Pfinztal

has implemented, operates and maintains a

**Quality Assurance System in accordance with the
Pressure Equipment Directive 2014/68/EU, Annex I, Section 4.3
as well as EN 764-5, Para. 4.2**

as a material manufacturer for the scope of

Additive manufactured [PBF]*) components as semi-finished products.

The scope of the approval is described in the annex to this certificate.
Further details are mentioned in report no. Q-DGR-0036-ROSSWAG-AM-W-01-23.

The manufacturer is therefore authorized to issue certificates of specific product control within the scope of the assessed quality system and in accordance with the Pressure Equipment Directive 2014/68/EU. Possible additional requirements - specific to applied technical specifications to meet PED Annex I - are not affected.

This certificate is valid through 2023-03-26.

In order to adhere the validity an annual surveillance audit is required.

*) Powder bed fusion

Certificate No.: DGR-0036-QS-W 3232600/2023/MUC-01
Munich, March 27th, 2023

Notified Body, Nr. 0036



(M. Strobel)

Certification Body
Material and Welding Technology



EQ3232600

TÜV SÜD Industrie Service GmbH, Westendstr. 199, 80686 Munich, Germany



Anlage zum Zertifikat Nr. / Annex to certificate no. DGR-0036-QS-W 3232600/2023/MUC-01 vom / dated 27.03.2023

Hersteller / Manufacturer		Name / Name: Straße / Street: Ort / City:		Werk / Plant: Rosswag Engineering 76327 Pfinztal		Datum / Date: 27.03.2023		Blatt-Nr. / Page no.: 1	
Lfd. Nr./ No.	Werkstoff- bezeichnung Werkstoffgruppe Material designation Material grade CEN ISO TR 15608	Werkstoff-Spezifikation Material specification Prüfgrundlage Requirements	Lieferzustand Delivery condition Kürzel Code	Prüfgegenstand Erzeugnisform Description product	Bauvolumen Fertigungsab- messungen Construction volume dimension (mm)	Gewicht Weight (kg)	Herstellverfahren Manufacturing (ISO ASTM 52900)	Fertigungseinrichtung Manufacturing facility	Bemerkungen Remarks
1	RE 4404 Werkstoffgruppe 8.1 / Material group 8.1	EN 764-4 Abs. 5 Werkstoffspezifikation / Material specification: Werkstoffblatt für additiv gefertigte Bauteile RE 4404	4 Lösungsgeglüht und abgeschreckt [AT] / solution annealed and quenched [AT]	5 Bauteile, Hohlkörper und Massivbauteile Components, hollow and solid parts	6 280 x 280 x 360 0,8 ≤ s ≤ 52,0	7 ≤ 220	8 pulverbettbasiertes Schmelzen [PBF] / powder bed fusion [PBF]	9 SLM 280 HL Twin, 2 Laser Maschinen-Nr.: 28.18.0084 / Machine No.: 28.18.0084 Parametersätze / Set of parameters: 1] 50µm	10 Fertigung unter Inertgas, Manufacturing under inert gas atmosphere
<p>Bei Verwendung der Werkstoffe sind die Festlegungen und Grenzen des jeweiligen Regelwerkes zu beachten. Für die spezifischen Einsatzbedingungen der Werkstoffe ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen Notifizierten Stelle erforderlich. / For the use of materials the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Notified Body in charge.</p>									
<p>Erklärung / Explanation: AT = Lösungsgeglüht / solution annealed NT = Normalgeglüht und angelassen / normalized and tempered N = Normalgeglüht / normalized S = Spannungsarmgeglüht / stress relieved U = ungeglüht / not annealed QT = vergütet / quenched and tempered A = weichgeglüht / annealed</p>									