



CERTIFICATE

The company

SARBAK METAL TİC.ve SAN.A.Ş.

**OSB Gaziosmanpaşa Mah. 8. Cad. No:3
Çerkezköy / Tekirdağ - TÜRKİYE**

has been audited and approved as manufacturer according to

AD 2000-Merkblatt W0 & W6/2

The scope of the audit and other relevant data are detailed in our report No.

P-IS-TGK-IST-21-04-1210000483-21-IS-0250a-34-B-01

and attached annex

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 certificate expires in May 15th, 2024

Certificate No. **Z-IS-TGK-IST-21-04-1210000483-21-IS-0250a-34-B-02**

Istanbul, April 30th, 2021

Register No: 21-SER-2041-IS_W0

TÜV SÜD Industrie Service GmbH


Mustafa ÖRMECI


TÜV SÜD Industrie Service GmbH





Industrie Service

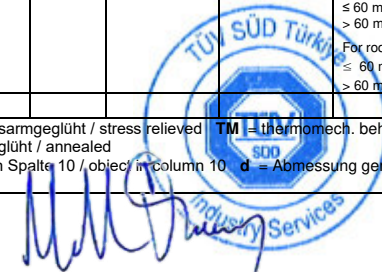
Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach AD 2000-Merkblatt W 0
Scope of the approval - Manufacturer of material in accordance with AD 2000-Merkblatt W 0

Anlage zum Zertifikat Nr. / Annex to certificate no.
Z-IS-TGK-IST-21-04-121000483-21-IS-0250a-34-B-02/
dated 26th April , 2021

Hersteller / Manufacturer:	Name: Straße/Street: Ort/City:	SARBAK METAL TİC.ve SAN.A.Ş. OSB Gaziosmanpaşa Mah. 8. Cad. No:3 Çerkezköy / Tekirdağ	Werk / plant:	Nationalität:/ Country: Türkiye	Datum:/ Date: rev. 0 26.04.2021	Blatt-Nr./ Page No.: 1 v. / of 2	TÜV SÜD Industrie Service GmbH
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Ifd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade	Werkstoff- Spezifikation / Material Specification		Liefer- zustand / Delivery Condition	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions				Gewicht / Weight		Prüfgrundlagen Technische Regeln / Requirements Technical Rules		Report Nr. / report no. --- vom / dated --- P-IS-TGK-IST-21-04-121000483-21- IS-0250a-34-B-01 Date:26.04.2021
		Art / Spec. 3a	Nr. / No. 3b			Kürzel / Code 4	Dicke / Thickness [mm] von / from 6a	bis / to 6b	Durchm. / Diameter [mm] von / from 7a	bis / to 7b	1 = t 2 = kg ↓ Wert value 8a	8b	Art / Spec. 9a	Nr. / No. 9b
1	CuZn40 (CW509L)	EN	12163	R360	Rod	--	--	6	80	-	-	AD 2000	W6/2	Mechanical properties acc.to EN 12163 and AD 2000 W 6/2 For rod inspection certificate: ≤ 60 mm thick/diameter inspection certificate 3.1 > 60 mm thick/diameter inspection certificate 3.2
2	CuZn39Pb3 (CW614N) CuZn40Pb2 (CW617N)	EN	12164	R360	Rod	--	--	6	80	-	-	AD 2000	W6/2	Mechanical properties acc.to EN 12164 and AD 2000 W 6/2 For rod inspection certificate: ≤ 60 mm thick/diameter inspection certificate 3.1 > 60 mm thick/diameter inspection certificate 3.2
3	CuZn40 (CW509L) CuZn39Pb3 (CW614N) CuZn40Pb2 (CW617N)	EN	12167	R360	Bar , Profile	--	--	3	20	--	--	AD 2000	W6/2	Mechanical properties acc.to EN 12167 and AD 2000 W 6/2 strip inspection certificate 3.1 sheet and plate not intended for tube plates ≤ 20 mm thick inspection certificate 3.1 > 20 mm thick inspection certificate 3.2 sheet and plate for tube plates ≤ 60 mm thick inspection certificate 3.1 > 60 mm thick inspection certificate 3.2 For rod inspection certificate: ≤ 60 mm thick/diameter inspection certificate 3.1 > 60 mm thick/diameter inspection certificate 3.2

Erklärung / Explanation: A = lösungsgeglüht und abgeschreckt / solution annealed and quenched L = lösungsgeglüht / solution annealed N = normalgeglüht / normalized S = spannungsmgglüht / stress relieved TM = thermomech. behandelt / thermo-mech. treated
 U = ungeglüht / not annealed V = vergütet und angelassen / quenched and tempered CR = temperaturgeregelte warmumgeformt / controlled rolled G = weichgeglüht / annealed
 a = Werkstoffbezeichnung in Spalte 10 / material designation in column 10 b = Lieferzustand in Spalte 10 / delivery condition in column 10 c = Prüfgegenstand in Spalte 10 / object in column 10 d = Abmessung gem. tech. Regeln / dimensions acc. to technical rules
 e = Gewicht gem. tech. Regeln / weight acc. to technical rules f = Nr. der tech. Regeln in Spalte 10 / technical rules in column 10





CERTIFICATE

The Certification Body of
TÜV SÜD Industrie Service

certifies that

SARBAK METAL TİC.ve SAN.A.Ş.

**OSB Gaziosmanpaşa Mah. 8. Cad. No:3
Çerkezköy / Tekirdağ - TÜRKİYE**

as a material manufacturer for the scope of

**Copper and Copper Alloys
Rods, Bars and Profiles**

as mentioned in the list of Attached Annex

has implemented, operates and maintains a

**Quality Assurance System in accordance with the Pressure Equipment
Directive 2014/68/EU (PED) Annex I, Para. 4.3 and EN 764-5, Para. 4.2**

Evidence that the quality system satisfies the PED requirements is documented in the
Assessment Report No. **P-IS-TGK-IST-21-04-1210000483-21-IS-0250a-34-B-01**

The manufacturer is authorized to issue certificates of specific product control within the
scope of the assessed quality system in accordance with the Pressure Equipment Directive
2014/68/EU and applied technical specifications.

Certificate No. **Z-IS-TGK-IST-21-04-1210000483-21-IS-0250a-34-B-01**

valid until May 15th, 2024

Istanbul, April 30th, 2021

Register No: 21-SER-2040-IS_PED





Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach DGRL 2014/68/EU, Anhang I, Abschnitt 4.3
Scope of the approval – Manufacturer of material in accordance with PED 2014/68/EU, Annex I, Section 4.3

Anlage zum Zertifikat Nr. / Annex to certificate no.
 Z-IS-TGK-IST-21-04-121000483-21-IS-0250a-34-B-01/
 dated 26th April, 2021

Hersteller / Manufacturer:	Name: Straße/Street: Ort/City:		SARBAK METAL Tic.ve SAN.A.Ş OSB Gaziosmanpaşa Mah. 8. Cad. No:3 Çerkezköy / Tekirdağ		Werk / plant:		Nationalität / Country: Türkiye	Datum / Date: rev. 0 26.04.2021	Blatt-Nr. / Page No.: 2 v. / of 2	Zertifizierungsstelle für Druckgeräte / Certification Body for pressure equipment Notifizierte Stelle, Nr. / Notified Body, No. 0036				
	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade	Werkstoff- Spezifikation / Material Specification	Liefer- zustand / Delivery Condition	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions Dicke / Thickness [mm]	Durchm. / Diameter [mm]					Gewicht / Weight	Prüfgrundlagen Technische Regeln / Requirements Technical Rules	Bemerkungen / Remarks	
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
1	CuZn40 (CW509L)	EN	12163	M R360 H070 R410 H100 R500 H120	Rod	All 5 60 5 60 2 35 2 35 2 10 2 10	All 6 80 6 80 2 40 2 40 2 14 2 14	All 6 80 6 80 2 40 2 40 2 14 2 14	All 6 80 6 80 2 40 2 40 2 14 2 14	--	---	2014/68/EU		See Note 1, Note 2 and Note 3
2	CuZn40 (CW509L)	EN	12164	M R360 H070 R410 H100 R500 H120	Rod	All 5 60 5 60 2 35 2 35 2 10 2 10	All 6 80 6 80 2 40 2 40 2 14 2 14	All 6 80 6 80 2 40 2 40 2 14 2 14	All 6 80 6 80 2 40 2 40 2 14 2 14	--	---	2014/68/EU		See Note 1, Note 2 and Note 3
3	CuZn39Pb3 (CW614N) CuZn40Pb2 (CW617N)	EN	12164	M R360 H090 R430 H110 R500 H135	Rod	All 5 60 5 60 2 40 2 40 2 10 2 10	All 6 80 6 80 2 40 2 40 2 14 2 14	All 6 80 6 80 2 40 2 40 2 14 2 14	All 6 80 6 80 2 40 2 40 2 14 2 14	--	---	2014/68/EU		See Note 1, Note 2 and Note 3



Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach DGRL 2014/68/EU, Anhang I, Abschnitt 4.3
Scope of the approval – Manufacturer of material in accordance with PED 2014/68/EU, Annex I, Section 4.3

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1	2											10	
4	CuZn40 (CW509L)	EN 12165	M H070			All 8	All 120	--	--	2014/68/EU		See Note 1, Note 2 and Note 3	
5	CuZn39Pb3 (CW614N) CuZn40Pb2 (CW617N)	EN 12165	M H080			All 8	All 120	--	--	2014/68/EU		See Note 1, Note 2 and Note 3	
6	CuZn40 (CW509L)	EN 12167	M R360 H070 R410 H100 R500 H120			All 3 20 3 20 3 10 3 10 3 10 3 10	--	--	--	2014/68/EU		See Note 1, Note 2 and Note 3	
7	CuZn39Pb3 (CW614N) CuZn40Pb2 (CW617N)	EN 12167	M R360 H090 R430 H110 R500 H135			All 6 40 6 40 3 20 3 20 3 10 3 10	--	--	--	2014/68/EU		See Note 1, Note 2 and Note 3	



Industrie Service

Geltungsbereich der Überprüfung als Hersteller von Werkstoffen nach DGRL 2014/68/EU, Anhang I, Abschnitt 4.3
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Anlage zum Zertifikat Nr. / Annex to certificate no.
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lfd. Nr. / No.	Werkstoffbezeichnung Werkstoff-Nr. / Material Designation Material Grade	Werkstoff- Spezifikation / Material Specification	Liefer- zustand / Delivery Condition	Prüfgegenstand Erzeugnisform / Description Product	Abmessungen / Dimensions Dicke / Thickness [mm] von / from bis / to 6a	Durchm. / Diameter [mm] von / from bis / to 7a	Gewicht / Weight 1 = t 2 = kg Wert value ↓ 8a	Prüfgrundlagen Technische Regeln / Requirements Technical Rules Art / Spec. 9a	Bericht Nr. / report no. --- P-IS-TGK-IST-21-04-121000483-21- IS-0250a-34-B-01 vom / dated : 26.04.2021
1	2	3a	4	5	6a	7a	8a	9a	10

Note 1 Particular safety factors have to be considered for each material acc. to non harmonised standards to fulfil essential safety requirements of PED Annex I and described in a Particular Material Appraisal (PMA).

Note 2 For the use of materials acc. to column 2 till 4 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.

Note 3 If the diameter / thickness exceeds than standards limits an individual experience in combination with a EN 10204: 3.2 inspection certificate is mandatory.

Erklärung / Explanation:	A = lösungsgeglüht und abgeschreckt / solution annealed and quenched	L = lösungsgeglüht / normalised	S = spannungsarmgeglüht / stress relieved	TM = thermomech. behandelt / thermo-mech. treated
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