

CERTIFICATE

Certificate No.: 07/203/1326/WP/0890/22

TÜV NORD Systems GmbH & Co. KG certifies that the manufacturer

**ELVALHALCOR Hellenic Copper and Aluminium Industry
S.A., Copper and Alloys Extrusion Division
62nd km National Road Athens-Lamia
Oinofyta Gr 32011 Viotia Greece**

has been verified and recognized as

material manufacturer acc. to AD 2000-Merkblatt W 0

in accordance with the requirements of the certification scheme TNS-AD2000-W0.

Details can be found in the report and the scope of approval.

The manufacturer has the following prerequisites:

- equipment for proper manufacturing and testing,
- suitable procedures for the manufacture of the products,
- skilled personnel for the manufacture and testing of the products, and
- a quality management system with appropriate records that ensures proper manufacture of the products and compliance with the requirements specified in the material specification.

Manufacturing site: See above

Validity: May 2022 until May 2025
Date of issue: 29.07.2022
Audit report No.: SAP-Nr.: 8120325027
Annex: Scope

Digitally signed by
Liebscher Anne-
Kristin



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Notifizierte Stelle 0045 / Notified Body 0045

Geltungsbereich der Überprüfung gemäß / Scope of Approval according to

☒ Richtlinie 2014/68/EU, Anhang I, Nummer 4.3 / Directive 2014/68/EU, Annex I, Point 4.3.

Zertifikat-Nr. / Certificate No.: 0045/2021/326/WZ/0890/22

☒ AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0

Zertifikat-Nr. / Certificate No.: 07/203/1326/WP/0890/22

Firma / Company: ELVALHALCOR Hellenic Copper and Aluminium Industry S.A., Copper and Alloys Extrusion Division

Datum / Date: 18.01.2024 / Dr. Fechner

Ort / Location: Oinofyta Gr 32011 Viotia, Greece

AZ / File No.: 1326W221798

SAP-No.: 8120325027

Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfgrundlagen Test specifications	Bemerkungen Remarks
					Dicke Thickness [mm]	Ø [mm]		
1.1	Seamless round copper tube Material Cu-DHP	EN 12735-1/-2	soft, semihard and hard condition	seamless tubes	0.20 to 2.5	4 to 108	Richtlinie 2014/68/EU Directive 2014/68/EU	Zertifiziert gemäß Druckgerätenrichtlinie Anhang I, Nr. 4.3 durch die Notifizierte Stelle der TÜV NORD Systems (Reg.-Nr. 0045) Certified acc. to PED annex I, pt. 4.3 by the notified body of TÜV NORD Systems (Reg. no. 0045).
1.2	Seamless round copper tube Material Cu-DHP	EN 13348	soft, semihard and hard condition	seamless tubes	0.20 to 2.5	4 to 108		
1.3	Seamless round copper tube Material CuFe2P	EN 12735-1	R300	seamless tubes	0.65 to 4.45	9.5 to 66.7		
1.4	Seamless round copper tube Material CuFe2P	EN 12735-1	R420	seamless tubes	0.65 to 4.45	9.5 to 66.7		
2.1	Seamless round copper tube Material Cu-DHP	EN 12735-1/-2	soft and semihard condition	seamless tubes	0.20 to 2.5	4 to 108	AD 2000-W 6/2	
2.2	Seamless round copper tube Material Cu-DHP	EN 13348	soft and semihard condition	seamless tubes	0.20 to 2.5	4 to 108		

* +AT = Lösungsgeglüht / solution annealed +N = normalgeglüht, normalisierend umgeformt / normalized forming +U = unbehandelt / untreated, +NT = normalgeglüht und angelassen / normalized and tempered +QT = vergütet / quenched and tempered, +M = thermomechanisch umgeformt / thermo mechanical formed, +AR = wie gewalzt / as rolled, +SR = spannungsarmgeglüht / stress relieved, +A = weichgeglüht / soft annealed, +CR = kaltgewalzt / cold rolled (weitere Symbole / other symbols EN 10027-1, Tab. 18)