

# CERTIFICATE

Management system as per  
**ISO 9001 : 2015**  
**Quality Management Systems-Requirements**

In accordance with TÜV HELLAS (TÜV NORD) S.A. procedures, it is hereby certified that

**COPPER TUBE PLANT**  
62<sup>th</sup> km Nat. Road Athens - Lamia  
320 11 Inofyta, Viotia  
Hellas

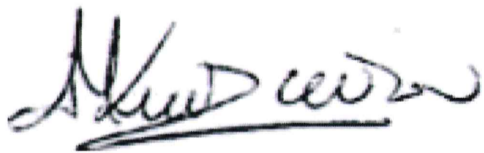
**HALCOR**

applies a management system in line with the above standard for the following scope

**Design Manufacture and Sales of:  
Seamless Bare and Pre - Insulated Tubes from Copper, Zinc and their Alloys**

Certificate Registration No. 041 07 0119-001  
Audit Report No. E-0822/2022

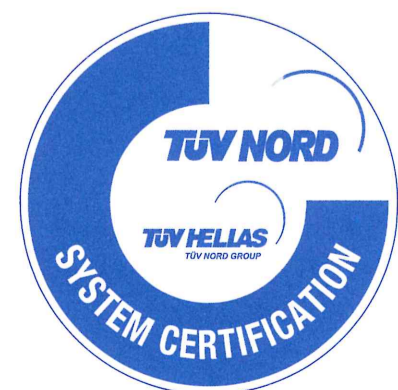
End of validity of previous certificate: 2022-10-18  
Valid from 2022-11-03  
Valid until 2025-10-18  
Initial certification 2007



TÜV HELLAS (TÜV NORD) S.A. Certification Body

Athens, 2022-11-03

This certification was conducted in accordance with the TÜV HELLAS (TÜV NORD) S.A. auditing and certification procedures and is subject to regular surveillance audits. This certificate is valid in conjunction with the main certificate.



# CERTIFICATE

Quality management system for material manufacturer  
in accordance with the requirements of  
**Pressure Equipment Directive 2014/68/EU**

Certificate No.: **0045/202/1326/WZ/0890/22**

Name and address  
of manufacturer: **ELVALHALCOR Hellenic Copper and Aluminium Industry S.A.,  
Copper and Alloys Extrusion Division  
62<sup>nd</sup> km National Road Athens-Lamia  
Oinofyta Gr 32011 Viotia Greece**

This is to certify that the manufacturer has implemented and applies a **quality management system in relation to materials**. This QM system has been subject to specific verification in accordance with the requirements of Directive 2014/68/EU, Annex I, point 4.3 in relation to the materials. The manufacturer is entitled to issue certificates of specific tests on materials in accordance with the Pressure Equipment Directive and the underlying technical specifications.

Test specification: **EN 764-5, section 4.2 and AD 2000-Merkblatt W 0**

Audit report No.: **SAP-Nr.: 8120325027**

Range of products: **Manufacture of seamless tubes of copper and copper alloys**

Place of manufacture: **62<sup>nd</sup> km National Road Athens-Lamia  
Oinofyta Gr 32011 Viotia Greece**

This certificate is valid until: **May 2025**

Attachment:  
**scope of approval**

Contact:  
E-Mail [IMWuS@tuev-nord.de](mailto:IMWuS@tuev-nord.de)  
Phone +49-(0)-40-8557-2090



Notified Body 0045 for pressure equipment



Digitally signed by  
Liebscher Anne-Kristin  
Date: 2022.07.29  
11:14:27 +02'00'

TÜV NORD Systems GmbH & Co. KG, Große Bahnstr. 31, D-22525 Hamburg

Inofyta, 08/02/2019

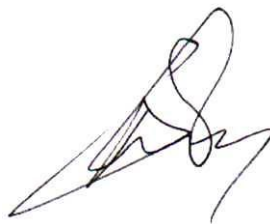
## DECLARATION OF CONFORMITY – EN 13348

It is hereby certified that the seamless copper tubes with trade name **TALOS® MED** for medical applications are manufactured by HALCOR/Copper Tubes Division of ELVALHALCOR S.A. at its Inofyta Tube Plant.

TALOS® MED tubes are produced in conformity to the European standard **EN 13348 “Copper and copper alloys, seamless round copper tubes for medical gases or vacuum”** which foresees carbon content less than 0.20 mg/dm<sup>2</sup> and are suitable for the installations used to transfer oxygen, medical compressed air, nitrous oxide and other medical gases.

Product quality is monitored during all manufacturing stages with the application of a Quality Management System complying with the ISO 9001:2015 specification, certified by TUV HELLAS (Cert. No 041070119).

The Quality Assurance Manager



Dr. D. Skarmoutsos

STEELMET ROMANIA S.A.  
 42nd DRUMUL INTRE TARLALE STR.  
 032982 BUCHAREST 3rd SECTOR

**INSPECTION CERTIFICATE**  
**Type 3.1 acc. EN 10204**

Certificate No : 1000421352  
 Delivery No : 0085201115

DATE: 23.01.2020

Customer	STEELMET ROMANIA S.A.		
Cust's Ref No	OR 165	Cust's Part No	
Our Order No	1200103787 / 10	Quantity	2.300,00 MTR
		Inspection Lot	020000595209

Designation	CuT m 010,000x1,00x25000 JH HPO M		
according to	EN 12735-1 R220 & EN 13348.		
Material	Cu-DHP		
Chem. Anal.:	CU>99,90-P:0,015-0,040	OK	

Characteristic	Unit of meas.	Specifications	Values	Sample No
ODav	mm	9,960 - 10,040	10,025	1
Smin	mm	>=0,870	0,890	1
Smax	mm	<=1,130	0,920	1
LENGTH	mm	>=25000	25050	1
OVALITY	mm	<=0,70	0,15	1
Rm	N/mm <sup>2</sup>	>=220,0	242,0	1
A50	%	>=40,0	51,6	1
EXPANSION	%	>=30,0	OK	1
C TOT. RES. IN.	mg/dm <sup>2</sup>	<=0,20	0,07	1
ECT EN 1971	%	100	OK	-

**DECLARATION OF COMFORMITY**

The products detailed above, conform to the conditions and requirements of the purchaser and to the description, quantities and spec. stated. The Quality Assurance System applied to monitor their production, complies with the requirements of ISO 9001:2015, independently certified by TÜV HELLAS, with certification No 041070119.

Athens

27.01.2020

Q.C. INSPECTOR

Q.A. MANAGER



D. SKARMOUTSOS

FORM N3

ISSUE: C

REV: 2

DATE: DEC. 2017

e-mail: info@halcor.com  
 website: www.halcor.com  
 VAT number: EL094061318

**Offices & Copper Tube Plant (Mailing Address)**  
 62<sup>nd</sup> km Athens-Lamia National Road,  
 GR-32011 Inofita-Viotia, GREECE  
 Tel.: +30 22620 48111, Fax: +30 22620 48911

**Foundry**  
 60<sup>th</sup> km Athens-Lamia National Road,  
 GR-32011 Inofita-Viotia, GREECE  
 Tel.: +30 22620 53479, Fax: +30 22620 53925

**Domestic Sales Dept**  
 252 Pireos str.  
 GR-17778, Tavros, Athens, GREECE  
 Tel.: +30 210 4898111, Fax: +30 210 4898397