

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

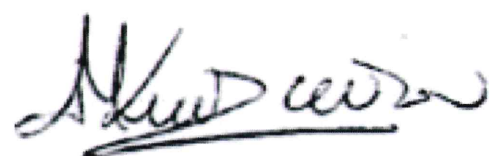
COPPER TUBE PLANT
62th km Nat. Road Athens - Lamia
320 11 Inofyta, Viotia
Hellas

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

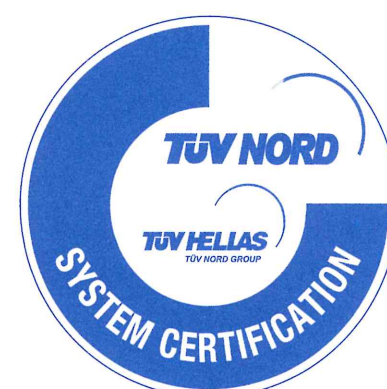


End of validity of previous certificate: 2022-10-18
Valid from 2022-11-03
Valid until 2025-10-18
Initial certification 2007

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.





ΠΙΣΤΟΠΟΙΗΤΙΚΟ

TÜV
AUSTRIA

Για το Σύστημα Διαχείρισης
σύμφωνα με το Πρότυπο
EN ISO 14001 : 2015

Τεκμηριώθηκε και βεβαιώνεται μέσω των Διαδικασιών της TÜV AUSTRIA, ότι η

ΧΑΛΚΟΡ

Τομέας Σωλήνων Χαλκού της ΕΛΒΑΛΧΑΛΚΟΡ Α.Ε.

Εργοστάσιο Σωλήνων: 62° χλμ Ε.Ο. Αθηνών – Λαμίας, 320 11 Οινόφυτα Βοιωτίας, Ελλάδα

Εργοστάσιο Χύτευσης: 60° χλμ Ε.Ο. Αθηνών – Λαμίας, 320 11 Οινόφυτα Βοιωτίας, Ελλάδα

Εργοστάσιο Παραγωγής Μιγμάτων: 59° χλμ Ε.Ο. Αθηνών – Λαμίας, 320 11 Οινόφυτα Βοιωτίας
(εντός ΕΛΛΗΝΙΚΩΝ ΚΑΛΩΔΙΩΝ), Ελλάδα

Εργοστάσιο Παραγωγής προϊόντων έλασης κραμάτων χαλκού και ψευδαργύρου:

Πειραιώς 252, 177 78, Ταύρος Αττικής, Ελλάδα

Εργοστάσιο Παραγωγής μπαρών και σωλήνων ορειχάλκου: 59ο χλμ Ε.Ο. Αθηνών – Λαμίας, 320 11
Οινόφυτα Βοιωτίας, Ελλάδα

Εφαρμόζει ένα Σύστημα Περιβαλλοντικής Διαχείρισης σε συμφωνία με το παραπάνω Πρότυπο για το
ακόλουθο Πεδίο Εφαρμογής

ΣΧΕΔΙΑΣΗ, ΠΑΡΑΓΩΓΗ ΚΑΙ ΕΜΠΟΡΙΑ ΠΡΟΪΟΝΤΩΝ :

- ΣΩΛΗΝΩΝ ΑΝΕΥ ΡΑΦΗΣ ΓΥΜΝΩΝ ΚΑΙ ΕΠΕΝΔΥΜΕΝΩΝ, ΜΠΑΡΩΝ ΚΑΙ ΠΡΟΦΙΛ ΡΑΒΔΩΝ ΣΥΜΠΑΓΩΝ
Η΄ ΔΙΑΤΡΗΤΩΝ ΑΠΟ ΧΑΛΚΟ ΨΕΥΔΑΡΓΥΡΟ ΚΑΙ ΚΡΑΜΑΤΑ ΑΥΤΩΝ
- ΦΥΛΛΩΝ, ΤΑΙΝΙΩΝ ΚΑΙ ΔΙΣΚΩΝ, ΑΠΟ ΧΑΛΚΟ, ΨΕΥΔΑΡΓΥΡΟ ΚΑΙ ΚΡΑΜΑΤΑ ΑΥΤΩΝ ΜΕ Ή ΧΩΡΙΣ
ΕΠΙΦΑΝΕΙΑΚΗ ΕΠΕΞΕΡΓΑΣΙΑ
- ΣΥΡΜΑΤΩΝ ΧΑΛΚΟΥ, ΑΛΟΥΜΙΝΙΟΥ ΚΑΙ ΚΡΑΜΑΤΩΝ ΤΟΥΣ
- ΣΥΡΜΑΤΙΝΩΝ ΠΛΕΓΜΑΤΩΝ ΑΠΟ ΚΡΑΜΑΤΑ ΧΑΛΚΟΥ ΚΑΙ ΣΙΔΗΡΟΥ
- ΜΟΝΩΤΙΚΩΝ ΤΑΙΝΙΩΝ, ΦΥΛΛΩΝ ΚΑΙ ΣΩΛΗΝΩΝ ΑΠΟ ΠΛΑΣΤΙΚΕΣ ΥΛΕΣ

Αριθ. Εγγραφής Πιστοποιητικού: **04013030**

Ισχύει έως: 2024-08-01

Αρχική πιστοποίηση: 2013-07-05

Μαρία Αγαπητού

Διευθύντρια Πιστοποίησης Συστημάτων Διαχείρισης και Προϊόντων

Οργανισμός Πιστοποίησης
TÜV AUSTRIA

Αθήνα, 2021-08-02

Η παρούσα Πιστοποίηση πραγματοποιήθηκε σύμφωνα με την Διαδικασία Επιθεώρησης και Πιστοποίησης
της TÜV AUSTRIA και επιτηρείται σε τακτά χρονικά διαστήματα.

TÜV AUSTRIA HELLAS

Λ. Μεσογείων 429

T.K. 153 43 Αθήνα, Ελλάδα

www.tuvaustriahellas.gr





CERTIFICATE



Management System as per EN ISO 14001 : 2015

In accordance with TÜV AUSTRIA procedures, it is hereby certified that

HALCOR

Copper Tubes Division of ELVALHALCOR S.A.

Copper Tube Plant: 62nd km N.R Athens-Lamia, GR-320 11 Inofyta, Viotia, Greece

Cast house: 60th km N.R Athens-Lamia, GR-320 11 Inofyta, Viotia, Greece

Production Line of Cross-Linked Polyethylene Foam Sheets: 59th km N.R Athens-Lamia, GR-320 11 Viotia, Greece

Production of Rolled Products: 252, Piraeus Ave., GR-117 78 Tavros, Athens, Greece

Production bars and brass tubes: 59th km N.R Athens-Lamia, GR 32011 Inofyta, Viotia Greece

Applies an Environmental Management System in line with the above Standard for the following Scope

DESIGN, MANUFACTURE AND SALE OF :

- SEAMLESS BARE AND PRE-INSULATED TUBES, SOLID AND HOLLOW RODS, BARS AND PROFILES, FROM COPPER, ZINC AND THEIR ALLOYS
- STRIPS, SHEETS AND DISCS FROM COPPER ZINC AND ALLOYS, WITH OR WITHOUT SURFACE TREATMENT
- WIRES FROM COPPER AND ALLUMINIUM AND THEIR ALLOYS
- WIRE MESH FROM COPPER AND IRON ALLOYS
- INSULATING SHEETS, STRIPS AND TUBES FROM VARIOUS PLASTIC MATERIALS

Certificate Registration No.: 04013030

Valid until: 2024-08-01

Initial certification: 2013-07-05

Maria Agapitou
Head of Management Systems & Products Certification Division
Certification Body
at TÜV AUSTRIA

Athens, 2021-08-02

This certification was conducted in accordance with TÜV AUSTRIA auditing and certification procedures and is subject to regular surveillance audits.

TÜV AUSTRIA HELLAS
429, Mesogeion Ave.
GR-153 43 Athens, Greece
www.tuvaustriahellas.gr



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
62nd 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: **62nd 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
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

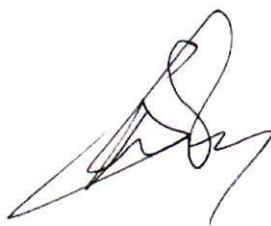
DECLARATION OF CONFORMITY – EN 13348

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/dm² 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
DATE: 23.01.2020
Delivery No : 0085201115

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
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according to	EN 12735-1 R220 & EN 13348.
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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 ²	>=220,0	242,0	1
A50	%	>=40,0	51,6	1
EXPANSION	%	>=30,0	OK	1
C TOT. RES. IN.	mg/dm ²	<=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)
 62nd km Athens-Lamia National Road,
 GR-32011 Inofita-Viotia, GREECE
 Tel.: +30 22620 48111, Fax: +30 22620 48911

Foundry
 60th 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

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

INSPECTION CERTIFICATE
Type 3.1 acc. EN 10204
Certificate No : 1000460344
DATE: 18.12.2020
Delivery No : 0085220735

Customer	STEELMET ROMANIA S.A.			
Cust's Ref No	OR166		Cust's Part No	
Our Order No	1200112596 / 20	Quantity	1.965,00 MTR	Inspection Lot 020000660378

Designation	CuT m 012,000x1,00x5000 JH HSH D M			
according to	EN 12735-1 R290, P.E.D 97/23/EC, EN 13348.			
Material	Cu-DHP			
Chem. Anal.:	CU>99,90-P:0,015-0,040		OK	

Characteristic	Unit of meas.	Specifications	Values	Sample No
ODmin	mm	>=11,960	11,980	1
ODmax	mm	<=12,040	12,010	1
ODav	mm	11,960 - 12,040	11,995	1
Smin	mm	>=0,870	0,880	1
Smax	mm	<=1,130	0,920	1
Sav	mm	<=0,912	0,900	1
LENGTH	mm	>=5000	5006	1
WGHT/m	kg/m	<=0,2837	0,2807	1
Rm	N/mm ²	>=290,0	461,6	1
A50	%	>=3,0	5,3	1
EXPANSION	%	>=30,0	OK	1
C TOT. RES. IN.	mg/dm ²	<=0,20	0,12	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

19.12.2020

Q.C. INSPECTOR

Q.A. MANAGER



D. SKARMOUTSOS

FORM N3

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DATE: DEC. 2017

e-mail: info@halcor.com
 website: www.halcor.com
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