



TMK-ARTROM S.A.

Draganesti Str. 30, Slatina, jud. OLT, Romania 230119
Tel: +40 (249) 436862, 434640, 434641
Fax: +40 (249) 434330, 437288
E-mail: office.slatina@tmk-artrom.eu www.tmk-artrom.eu
EUID: ROONRC.J28/9/1991; J28/9/31.01.1991
VAT No. RO 1510210/1992
Subscribed and Paid Share Capital: 291.587.538,34 lei

Slatina, September 14th 2018

Certificate of compliance European Legislation RoHS (3)

Directive 2015/863

The scope of the original RoHS was expanded to cover all electrical/electronic equipment, cables, and spare parts with compliance required by July 22, 2019 or sooner depending on product category.

The restricted materials are hazardous to the environment and pollute landfills, and are dangerous in terms of occupational exposure during manufacturing and recycling.

RoHS(2),or the Recast RoHS 2 Directive 2011/65/EU, was published in July 2011 by the European Commission and took effect in January 2,2013.

Comparing with initial RoHS, the new RoHS(2) requires additional compliance recordkeeping from everyone in the supply chain. No additional substances have been added to the six currently restricted. It is evident that a total avoidance of heavy metals and brominated substances in some instances is impossible to achieve, certain concentration values for lead, mercury, cadmium, hexavalent chromium, poly brominated biphenyls (PBB) or poly brominated diphenyl ethers (PBDE) in materials are tolerated according to this Directive.

On 4 June 2015,the EU commission has published a new **Directive(EU) 2015/863** to amend Annex II to EU RoHS 2 (Directive 2011/65/EU) adding four additional restricted substances (phthalates) to the list of six.

Any business that sells applicable electronic products, sub-assemblies or components directly to EU countries, or sells to resellers, distributors or integrators that in turn sell products to EU countries is impacted if they utilize any of the restricted materials.

Our mechanical tubes are used in many applications. Many of them are not very well known so that it is possible to be used also in some electrical equipment TMK ARTROM produced and delivers seamless steel tubes in accordance with European Standard EN 10210 .In the frame of this standard our product comply with the applicable requirement regarding the regulated substances.

This letter are referring to the ten restricted substances as follow: lead (Pb) mercury (Hg) cadmium (Cd), hexavalent chromium (Cr VI), poly- brominated biphenyls (PBB) , poly brominated diphenyl -ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).

The comparison between the maximum concentration values according to appendix II of the RoHS Directive and values of our seamless steel tubes is made below :



API:
5CT-0440
5L-0352

LRQA:
ISO 9001
ISO 14001
OHSAS 18001

TUV:
PED/AD-2000 W0/W4/
TRD 100/102
Vd TUV

TMK EUROPEAN DIVISION Cod: FCU-01, Ed. 3 Rev. 2/2017

TUV CPR:
EN 10210-1,2
EN 10255

LR
DNV-GL Rules
RINA

LRQA:
ISO/TS 16949

1. Lead 0,1% of the weight =1000 mg/kg =1000 ppm

The level of lead in seamless steel tubes is less than 0,001 percent .

2. Cadmium 0,1% of the weight =100 mg/kg =100 ppm

The level of cadmium in seamless steel tubes is less than 0,01 percent

3. Mercury 0,1% of the weight =1000mg/kg=1000 ppm

Our seamless steel tubes DO NOT contain Mercury, or come in contact with mercury.

4. Hexavalent chromium 0,1% of the weight =1000 mg/kg =1000 ppm

Our seamless steel tubes do not contain hexavalent chromium.

5. Polybrominated biphenyls (PBB) 0,1% of the weight =1000 mg/kg =1000 ppm

Not used or present in our seamless tubes.

6. Polybrominated diphenyl ethers (PBDE) 0,1% of the weight =1000 mg/kg =1000 ppm

Not used or present in our seamless tubes.

7. Bis(2-ethylhexyl) phthalate (DEHP): < 1000 ppm (added in 2015)

Not used or present in our seamless tubes.

8. Benzyl butyl phthalate (BBP): < 1000 ppm (added in 2015)

Not used or present in our seamless tubes.

9. Dibutyl phthalate (DBP): < 1000 ppm (added in 2015)

Not used or present in our seamless tubes.

10. Diisobutyl phthalate (DIBP): < 1000 ppm (added in 2015)

Not used or present in our seamless tubes.

We do not anticipate any significant change induced by RoHS , but in case of changes we would keep you informed.

We are at your disposal for any questions by e-mail to office.slatina@tmk-artrom.eu (for the attention of Mrs. Magdalena Popescu).

Quality, Environmental & Integrated Management System

Magdalena Popescu




API:
5CT-0440
5L-0352

LRQA:
ISO 9001
ISO 14001
OHSAS 18001

TUV:
PED/AD-2000 W0/W4/
TRD 100/102
Vd TUV

TMK EUROPEAN DIVISION Cod: FCU-01, Ed. 3 Rev. 2/2017

TUV CPR:
EN 10210-1,2
EN 10255

LR
DNV-GL Rules
RINA

LRQA:
ISO/TS 16949