



ACCIAI  
SPECIALI  
TERNI

Information to our customers concerning the

## Presence of cobalt in our products

Cobalt is not added intentionally in our products. Stainless steel can contain an amount of cobalt due to its unavoidable presence in raw materials. The amount of cobalt does not exceed 0.5% and its presence, over the years, has not been associated with any health risk.

Cobalt has a harmonized classification as Carcinogen Category 1B, Mutagenic Category 2, Skin Sensitizer 1, Respiratory Sensitizer 1, Reprotoxic 1B and Aquatic Chronic 4. The classification includes a threshold value, a so-called 'Generic Concentration Limit' (GCL), of 0.1%.

Although cobalt can be present above the threshold value in stainless steel, it is embedded in the matrix of the alloy. As a result, stainless releases negligible amounts of cobalt and it does not become bio-available.

The likelihood of being exposed to cobalt is far less than the pure metal thanks to the alloying effect. In other words when cobalt is in the form of stainless steel it does not necessarily become available to the organism.

In order to demonstrate this effect, EUROFER, the European steel Association, continues its efforts, together with other industry partners, to complete the adoption process of bio-elution as an internationally standardized methodology to recognize the alloying effect in stainless steel and other alloys. Bio-elution methodology, is an in vitro methodology to preventing the necessity of in vivo testing.

Dr. Paolo Zanella

Responsabile Sistema Qualità

Acciai Speciali Terni S.p.A.

*Paolo Zanella*

Terni 27/01/2022

### Acciai Speciali Terni S.p.A.

con Unico Socio

#### Sede Legale:

Viale B. Brin 218, 05100 Terni, Italia  
T. +39 0744 4901 - F. +39 0744 490752  
info.ast@acciaiterni.it  
www acciaiterni.it  
Iscr. Reg. Impr. TR e Cod. Fisc. 11222300151  
P. IVA 00715760559  
Cap. Soc. € 159.682.400 i.v.

### Unità Operative:

Viale B. Brin 218, 05100 Terni  
T. +39 0744 4901 - F. +39 0744 490752  
Strada dei Confini 48, 05100 Terni  
T. +39 0744 8091 - F. +39 0744 809273  
Strada di Sabbione 91/A, 05100 Terni  
T. +39 0744 808251  
Strada di Pentima 3, 05100 Terni  
T. +39 0744 2031

### Uffici Commerciali:

Viale B. Brin 218, 05100 Terni  
T. +39 0744 4901 - F. +39 0744 490904  
Via Milano 12, 20816 Ceriano Laghetto (MB)  
T. +39 02 969821 - F. +39 02 96982381