

## Material Information Bio Maingold IT

High gold content dental casting alloy  
(according to EN ISO 22674)

### Chemical Composition (Content in mass %):

| Bio Maingold IT | Au   | Ag   | Pt  | Cu  | Zn  | In  | Ir  |
|-----------------|------|------|-----|-----|-----|-----|-----|
|                 | 77,0 | 13,0 | 1,0 | 8,5 | 0,2 | 0,2 | 0,1 |

This dental alloy is free of Beryllium, Cadmium and Lead.

**Manufacturer:** Kulzer GmbH

**Bio-compatibility:** We certify that this product has been evaluated according to the internationally valid directives EN ISO 7405, "Dentistry – Evaluation of biocompatibility of medical devices used in dentistry" and EN ISO 10993 series, "Biological evaluation of medical devices". The evaluation covers, among other things, possible risk of cytotoxicity, allergisation, irritation, and genotoxicity. The studies conducted were carried out in independent testing facilities according to OECD directives and fulfil the requirements of GLP (Good Laboratory Practice). The evaluation proves the biological compatibility of this dental alloy.

**Corrosion:** Based on its composition, this is a high corrosion resistant alloy.

**Evaluation:** Based on the above test and evaluation, this dental alloy is classified as biocompatible (biologically compatible) when used as intended. A clinical evaluation proved that specified characteristics and performance related requirements are fulfilled.

**The conformity of Bio Maingold IT with internationally valid directives is proven and certified by the Technical Control Board of Rheinland (CE 0197). This document is subject to an internal approval process. It was created electronically and is valid without signature.**

### Contact in Germany

Kulzer GmbH  
Leipziger Straße 2  
63450 Hanau, Germany  
info.lab@kulzer-dental.com  
kulzer.com

Giving a hand to oral health.



**KULZER**  
MITSUI CHEMICALS GROUP