

### 1. Composition

Au + Pt group-metals	31.41%
Ag	53.65%
Pd	18.90%
Cu	14.29%
Au	12.50%
Zn	0.65%
Ru	0.01%

### 2. Physical Properties

Melting range	900-980°C
Density	11.1 g/cm <sup>3</sup>
Young's Modulus	110 GPa
Colour	white

### 3. Mechanical Properties

	as cast	soft	hardened
Condition		700°C/10'/H2O	375°C/15'/air
Hardness HV5	185	135	240
Tensile strength (Rm)	550 MPa		
0.2% Proof stress (Rp 0.2%)	430 MPa	300 MPa	340 MPa
Elongation	22 %.	25 %.	12 %.

### 4. Biological tests

#### Cytotoxicity test according to ISO 10993-5:

The cytotoxic effect of the alloy was tested with the extract test.

(Project, 29, 12.03.1990, Laboratoires Prof. Craig & Wataha, University of Michigan, Ann Arbor, Michigan, USA)

#### Sensitization test according to ISO 10993-10:

The sensitization test has not been realised.

#### Mutagenicity test (AMES) according to ISO 10993-3:

The AMES test has not been realised.

#### Results:

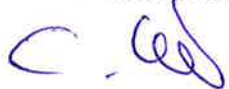
The alloy did not show any cytotoxic potential.

### 5. Certification

This casting alloy corresponds to the standard ISO 22674/Type 4.

Manufacture, packing and delivery are constantly monitored according to the quality management system standards according to ISO 9001 and ISO 13485.

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