

# **Material Data Sheet**

## for: Strator 3

This casting alloy corresponds to the standard ISO 22674/Type 3.

## 1. Composition

	Au + Pt group-metals			40.00%				
	Ag	12		40.00%				
	Au			20.00%				
	Pd			19.95%				
	In			16.00%				
	Zn			4.00%				
	Ru			0.05%				
2. Physical Properties								
	Melting range Density Young's Modulus Colour	2	н 1 1 1	 855-9 11.4 و 75 GP pale ye	00°C g/cm <sup>3</sup> a ellow			
3. Mechanical Properties Condition			as cast	soft 700°C/10'/	H20	700°C/10	hardened )/H2O&400°C	C/15'/air
Hardness HV5 Tensile strength (Rm) 0.2% Proof stress (Rp 0.2%) Elongation			175 535 MPa 315 MPa 5 %.	125 465 MF 230 MF 7 %.	Pa Pa	-	165 530 MPa 305 MPa 5 %.	

### 4. Biological tests

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

The cytotoxic effect of the alloy was tested with the extract test. (Project, 222603, 04.06.1991, CCR, DE-6101 Rossdorf, Germany)

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

The allergic sensitization of the alloy was tested with the maximization test. (Project 291824, 24.06.1991, RCC, Itingen/Basel, Switzerland)

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

The mutagenicity was tested with the «Reverse Mutation Assay» using bacteria Salmonella typhimurium. (Project 100874, 30.03.2010, BSL Bioservice, DE-82152 Planegg, FRG)

### **Results:**

The alloy showed neither a cytotoxic nor a munagenic potential nor did it cause any allergic sensitization.

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## 5. Certification

This casting alloy corresponds to the standard ISO 22674/Type 3.

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

Cendres + Métaux SA

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