

# DECLARATION OF CYTOCOMPATIBILITY

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ALLOY TESTED:

## CASTORO 1

Casting alloy with 67.0% of gold and platinum group metals

### Chemical composition:

**Au 62,0 - Pt 1,0 - Pd 4,0 - Ag 14,4 - Cu 15,6 - Zn 3,0 - Ir x**

% (m/m) Determined by Emission Spectrometric Analysis.

### Manufacturer:

## NOBIL METAL Spa

**Strada San Rocco, 28 - 14018 Villafranca d'Asti (AT) - Italia**

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I declare that cytotoxicity properties of **CASTORO 1** were evaluated according to International Standard ISO 10993-5 Biological Evaluation of Medical Devices- Part 5, Tests for cytotoxicity: in vitro methods.

In particular, the alloy samples were tested with L929 mouse fibroblasts in a direct cell contact assay.

Microscopic examination, vital staining and MTT test at the end of the incubation time were performed in order to establish cytotoxic effects, in comparison with negative (Tissue Culture Polystyrene) and positive (Cu-Ni-Al alloy) control samples. Tests were performed on six samples produced by the lost wax technique according to manufacturer directions.

Results for **CASTORO 1** cytotoxicity tests were always similar to those obtained for negative control samples.

**CASTORO 1 EXHIBITED NO CYTOTOXIC ACTIVITY.**

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**NOBIL BIO RICERCHE s.r.l.**

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