

## Technical Data Sheet

### Titanium Metal Pellets

**Product ID:** 2200PL001 - 2200PL004

**Formular:** Ti

**Molecular weight:** 47.87 g/mol

**CAS No.:** 7440-32-6

**EINECS No.:** 231-142-3

**Color:** Silver-gray

**Description:** Our titanium granules are available in 2N5, 4N, and 5N purities, with customizable sizes upon request, offering excellent strength-to-weight ratio, corrosion resistance, and biocompatibility.

**Application:** Aerospace, medical implants, chemical processing, and advanced material applications.

**Product**

**Image:**



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#### 1. Sizes

| Product ID  | Formular     | Size             |
|-------------|--------------|------------------|
| 2200PL001   | Ti (99.5%)   | Ø 3 mm x 3 mm    |
| 2200PL002   | Ti (99.99%)  | Ø 6 mm x 6 mm    |
| 2200PL003   | Ti (99.99%)  | Ø 6.25 mm x 6 mm |
| 2200PL004   | Ti (99.999%) | Ø 6.25 mm x 6 mm |
| 2200PL2N5DZ | Ti (99.5%)   | Customized       |
| 2200PL4N5DZ | Ti (99.99%)  | Customized       |
| 2200PL5NDZ  | Ti (99.999%) | Customized       |

## 2. Chemical compositions

| Chemical Compositions (wt%)        |        |        |        |        |        |         |        |
|------------------------------------|--------|--------|--------|--------|--------|---------|--------|
| Element<br>Typical Value<br>Purity | Al     | Si     | Fe     | C      | N      | H       | O      |
| 99.5%                              | ≤ 0.20 | ≤ 0.08 | ≤ 0.15 | ≤ 0.05 | ≤ 0.03 | ≤ 0.003 | ≤ 0.12 |

| Metal impurities (ppm)             |       |       |       |       |       |       |       |       |       |
|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Element<br>Typical Value<br>Purity | Al    | Si    | Fe    | Co    | Ni    | Cu    | Pb    | Bi    | Cd    |
| 99.99%                             | ≤ 5   | ≤ 8   | ≤ 20  | ≤ 8   | ≤ 15  | ≤ 15  | ≤ 10  | ≤ 10  | ≤ 5   |
| 99.999%                            | ≤ 1.5 | ≤ 1.5 | ≤ 1.5 | ≤ 0.5 | ≤ 0.5 | ≤ 0.5 | ≤ 0.5 | ≤ 0.5 | ≤ 0.5 |

*Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.*

## 3. Packaging

Bottle/Bag.

Double vacuum packed.

## 4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

## 5. Handling and Storage

When using, wear appropriate protective equipment to avoid contamination and dust inhalation, and operate in a clean, dry environment.

Store titanium granules in a dry, cool place away from oxidizing agents and moisture.

## Contact Us

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