

## Technical Data Sheet

# Silicon Powder

**Product ID:** 1400PD001 - 1400PD007

**Formular:** Si

**Molecular weight:** 28.09 g/mol

**CAS No.:** 7440-21-3

**EINECS No.:** 231-130-8

**Color:** Black

**Description:** Our silicon powder has a purity of  $\geq 99.5\%$  and can be customized from nano to micron sizes according to requirements, featuring high purity, strong chemical stability, and adjustable particle size.

**Application:** Electronics and semiconductors, photovoltaic new energy, metallurgy and casting, advanced composite materials.

**Product**

**Image:**



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### 1. Sizes

Product ID	Formular	Size
1400PD001	Si (99.99%)	< 200nm
1400PD002	Si (99.5%)	-100 Mesh
1400PD003	Si (99.9%)	-100 + 325 Mesh
1400PD004	Si (99.99%)	-100 Mesh
1400PD005	Si (99.99%)	-325 Mesh
1400PD006	Si (99.99%)	-625 Mesh
1400PD007	Si (99.999%)	-300 Mesh
1400PD2N5DZ	Si (99.5%)	Customized
1400PD3NDZ	Si (99.9%)	Customized
1400PD4NDZ	Si (99.99%)	Customized
1400PD5NDZ	Si (99.999%)	Customized

## 2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Fe	Al	Cu	Mn	Ca	Zn
99.5%	≤ 500	≤ 150	≤ 100	≤ 100	≤ 200	≤ 100
99.9%	≤ 300	≤ 200	≤ 50	≤ 50	≤ 100	≤ 50
99.99%	≤ 10	≤ 15	≤ 5.0	≤ 10	≤ 5.0	≤ 5.0
99.999%	≤ 1.5	≤ 1.0	≤ 0.50	≤ 0.50	≤ 1.0	≤ 0.50

*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

Bottled/Bag.

Double vacuum packaging.

Customizable packaging is available upon request.

## 4. Period of Validity

It is recommended to use this product within 12 months (stored under proper conditions). If it is overdue, the product quality status should be re-evaluated.

## 5. Handling and Storage

When using, wear protective equipment and operate in a well-ventilated area to avoid inhalation of dust or direct skin contact, keep away from heat sources and open flames.

Store in a tightly sealed container in a cool, dry, and well-ventilated place, protected from moisture, oxidation, and contact with acids or alkalis.

## Contact Us

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