

## Technical Data Sheet

# Cerium Silicide Granules

**Product ID:** 581400GN001 / 581400GN002

**Formular:** CeSi<sub>2</sub>

**Molecular weight:** 196.28 g/mol

**CAS No.:** 12014-85-6

**EINECS No.:** 234-602-1

**Color:** Silver gray

**Description:** Our cerium silicide granules typically have a purity of ≥99.9% (Ce/TREM) and can be customized in different sizes upon request. They feature excellent thermal stability and a certain level of metallic conductivity.

**Application:** High-temperature structural materials, electronic materials, rare earth silicide research, and coating materials, etc.

**Product**

**Image:**



## 1. Sizes

Product ID	Formular	Size
581400GN001	CeSi <sub>2</sub> (99.9% Ce/TREM)	1 mm - 4 mm
581400GN002	CeSi <sub>2</sub> (99.9% Ce/TREM)	3 mm - 6 mm
581400GNDZ	CeSi <sub>2</sub> (99.9% Ce/TREM)	Customized

## 2. Chemical compositions

Chemical Compositions					
Main Content		TREM ≥99%, Ce/TREM ≥99.9%			
RE Impurities (ppm)					
La	Pr	Nd	Sm	Eu	Gd
≤ 300	≤ 100	≤ 50	≤ 5	≤ 2	≤ 2
Dy	Ho	Er	Tm	Yb	Lu
≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2

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Non-RE Impurities (ppm)					
Fe	Ti	V	Cr	Ni	Ga
≤ 1000	≤ 150	≤ 50	≤ 50	≤ 20	≤ 500

*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, under inert gas atmosphere.  
Double vacuum packed.

### 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 (e.g., mask, goggles, and gloves) and operate in a well-ventilated area to avoid inhalation of dust or direct skin contact.

Store in a sealed container in a dry, cool environment under an inert gas atmosphere to prevent moisture absorption and oxidation.

### Contact Us

Website: [www.vimaterial.de](http://www.vimaterial.de)

Email: [info@vimaterial.de](mailto:info@vimaterial.de)

Tel: 0049 1626484175

Add.: Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.