

Technical Data Sheet

Niobium(V) Chloride Powder

Product ID: 411700PD001

Formular: NbCl₅

Molecular weight: 270.16 g/mol

CAS No.: 10026-12-7

EINECS No.: 233-059-8

Color: Yellow

Description: Our niobium(V) chloride has a typical purity of ≥99.9% and features high reactivity, excellent catalytic performance, and good solubility.

Application: Niobium metal and alloy preparation, catalysts, thin film materials, organic synthesis, etc.

Product

Image:



1. Physical Properties

Product ID	Formular	Size
411700PD001	NbCl ₅ (99.9%)	-20 Mesh

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)				
	Cu	Fe	Ni	Ta	Si
99.9%	≤ 20	≤ 20	≤ 20	≤ 200	≤ 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/bagged. Inert gas.
Double vacuum packed.
Customized packaging available upon request.

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 protective gloves and safety goggles to avoid skin contact or inhalation of dust.

Stored in a sealed container in a dry environment, protected from moisture, and under an inert gas atmosphere.

The product is easy to deliquescent, hydrogen chloride acid mist is produced in moist air, it should be stored and operated under the protection of inert atmosphere.

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