

Technical Data Sheet

Tungsten Oxide Powder

Product ID: 740802PD001 - 740802PD004

Formular: WO₃

Molecular weight: 231.84 g/mol

CAS No.: 1314-35-8

EINECS No.: 215-231-4

Color: Yellow

Description: Our tungsten oxide powder has a purity of ≥99.95% and is available in customizable particle sizes, featuring excellent photoelectric properties, thermal stability, and chemical stability.

Application: Smart window materials, gas sensors, photocatalysts, electrode materials, and optoelectronic devices.

Product

Image:



1. Physical Properties

Product ID	Formular	Size
740802PD001	WO ₃ (99.95%)	FSSS: 1-3 µm
740802PD002	WO ₃ (99.95%)	FSSS: 14-25 µm
740802PD003	WO ₃ (99.95%)	-325 Mesh
740802PD004	WO ₃ (99.95%)	< 500 nm
740802PDDZ	WO ₃ (99.95%)	Customized

2. Chemical compositions

Element Typical Value Purity	Chemical Composition (ppm)						
	K	Na	Si	Al	Mg	Fe	Cd
99.95%	≤ 50	≤ 50	≤ 50	≤ 35	≤ 35	≤ 100	≤ 20

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

Small batch: bottled/bag, double vacuum packed.

Large batch: 25 kg/bag.

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 prevent dust inhalation, and work in a well-ventilated area.

Store in a sealed container in a cool, dry, and well-ventilated place, away from moisture and reducing agents.

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