

TUNGSTEN REGULAR PRODUCTS

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AMMONIUM PARATUNGSTATE



● OUTLINE

CHEMICAL FORMULA: $5(\text{NH}_4)_2\text{O} \cdot 12\text{WO}_3 \cdot 5\text{H}_2\text{O}$

or $(\text{NH}_4)_{10}[\text{H}_2\text{W}_{12}\text{O}_{42}] \cdot 4\text{H}_2\text{O}$

FORMULA WEIGHT: 3,132

WO_3 THEORETICAL CONTENT: 88.8%

● SPECIFICATIONS

WO_3	88.0% Min.
Cl	0.005% Max.
SO_4	0.01% Max.
Mo	0.01% Max.
Fe	0.002% Max.
Na	0.005% Max.

● APPLICATIONS

Raw materials for catalysts, Raw materials for

metals, Ceramic additives, Sintered metal

additives, Electronic materials



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CONCENTRATED AQUEOUS SOLUTION OF AMMONIUM METATUNGSTATE

MW-2



● OUTLINE

CHEMICAL FORMULA: $(\text{NH}_4)_6[\text{H}_2\text{W}_{12}\text{O}_{40}]\text{aq}$

SPECIFIC GRAVITY: approx. 1.80

WO_3 CONTENT: approx. 50.0%

● APPLICATIONS

Raw materials for catalysts, Electronic materials

● SPECIFICATIONS

WO_3	$(50.0 \pm 0.5)\%$
Cl	0.01% Max.
SO_4	0.04% Max.
Mo	0.005% Max.
Fe	0.001% Max.
Ca	0.01% Max.
Na	0.005% Max.
pH	3.0 ± 0.5
Specific gravity	1.80 ± 0.02



SODIUM TUNGSTATE



● OUTLINE

CHEMICAL FORMULA: $\text{Na}_2\text{WO}_4 \cdot 2\text{H}_2\text{O}$

FORMULA WEIGHT: 330

WO_3 THEORETICAL CONTENT: 70.3%

● APPLICATIONS

Mordants for basic dyes, Metal surface

treatment agents, Auxiliary materials for

ceramics

● SPECIFICATIONS

WO₃	69.0% Min.
Cl	0.02% Max.
SO₄	0.05% Max.
Mo	0.01% Max.
Fe	0.002% Max.
pH	8–10 (5% solution)



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TUNGSTEN TRIOXIDE



● OUTLINE

CHEMICAL FORMULA: WO_3

FORMULA WEIGHT: 232

WO_3 THEORETICAL CONTENT: 100%

● APPLICATIONS

Raw materials for catalysts, Raw material for

metals, Ceramic additive, Sintered metal

additive, Electronic materials

● SPECIFICATIONS

WO_3	99.5% Min.
Cl	0.005% Max.
SO_4	0.01% Max.
Mo	0.01% Max.
Fe	0.002% Max.
Na	0.01% Max.



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