



Chinatungsten Online Ammonium Paratungstate Catalogue

Name: Ammonium Paratungstate

English Abbreviation: APT

Chemical Formula: $H_8N_2O_4W$

Molecular weight: 283.9145

Melting Point: 3410 °C(lit.)

Boiling Point: 5660 °C (lit.)

Density: 4.61g/cm³

EINECS: 234-364-9

CAS Number: 11120-25-5

Appearance: White crystal with two forms of flake and needle

HS Code: 2841801000

Solubility: Slightly soluble in water (the solubility is less than 2% in water under 20°C) and will increase slightly with the raising of temperature, insoluble in alcohol.

Application: Mainly used to prepare ammonium metatungstate (AMT), tungsten trioxide or blue tungsten oxide, metal tungsten, tungsten wire and catalyst.

The main component of ammonium paratungstate is tungsten trioxide (WO_3), about 88.50% of the total mass; in addition, there are impurities such as Al, As, Bi, Ca, Cu ect. existing in APT, ammonium paratungstate specification of Chinatungsten Online is like the table below:

Grade					APT-0				
WO ₃ Content (Minimum %)					88.50				
Impurity Content (% Maximum)									
Element	Al	As	Bi	Ca	Cr	Cu	Fe	K	Mg
Maximum	0.0005	0.0010	0.0001	0.0010	0.0010	0.0003	0.0010	0.0010	0.0005
Element	Mn	Mo	Na	Ni	P	Pb	S	Sb	Si
Maximum	0.0005	0.0020	0.0010	0.0005	0.0007	0.0001	0.0008	0.0005	0.0010
Element	Sn	Ti	V	/	Blanch Loss		/	/	/
Maximum	0.0002	0.0010	0.0010	/	10		/	/	/

Standard Packing

Sample: if less than 10kgs, the packing is in carton with double sealed inner plastic bags.

Batch amount: in iron drums with double sealed inner plastic bags, 50/100/200kgs each.

Note: Special packing requirement can be discussed.