



## PRODUCT

### Antimony Trioxide [ Powder ]

**3-1**

**Antimony Trioxide is widely used as flame retardant synergist for various plastics.**

Flammability standard for industrial and consumer products such as plastics, rubber, textile, etc. becomes stringent yearly. Along with tightening, flame retarding of new material and expansion of the application needs for flame retardants are sophisticated and diversified.

We line up four grades of antimony trioxides.



Hsikwangshang Twinkling Star



Antimony ore

#### 1. AT3

Product is selected and procured from all over the world and finished at Moriya plant. It performs stably as flame retardant synergist and corresponds to business continuity planning (BCP), so customers can use it continuously with an easy mind.

#### 2. AT-3<sup>CN</sup>

Product is a collaboration between our company and Hsikwangshang Twinkling Starr in Hunan, China, worldwide antimony marketer. They produce AT-3<sup>CN</sup> based on our processing technology and quality management system. We guarantee the stable quality as well as AT3.

#### 3. AT-3<sup>TL</sup>

Product is made from antimony ore and metal mined in Myanmar and Vietnam and is manufactured in Thailand. It is finished at our Moriya plant and is sold as a non-China product. The impurities lead (Pb) and arsenic (As) is controlled to the standard value of 500ppm or less each, and it is a product with high whiteness.

#### 4. AT-3<sup>LT</sup>

Product has bigger particle size and gives high transparency. AT-3<sup>LT</sup> is mainly used for high gloss ABS and PVC pigment.



AT-3<sup>CN</sup>



## PRODUCT

### Antimony Trioxide [ Powder ]

**3-2**

#### SPECIFICATION

Chemical Name	Antimony Trioxide
Chemical Formula	Sb <sub>2</sub> O <sub>3</sub>
Molecular Weight	291.5
Specific Gravity	5.2

#### CHEMICAL REGISTRATION No.

METI No.	1-543
CAS No.	1309-64-4
EINECS	215-175-0

#### PACKAGE

25kg net paper bag  
500kg, 1,000kg net big bag

#### General Grade AT3 Quality Specification

Item	Unit	Specification	Typical
Sb <sub>2</sub> O <sub>3</sub>	%	≥99.5	99.8
Pb	%	≤0.1	0.06
As	%	≤0.1	0.03
Whiteness	%	≥95.0	99.0
Average Particle Size	μm	0.5 ~ 1.5	1.0
325 mesh on	%	≤0.02	0.002

#### China OEM Product AT-3<sup>CN</sup> Quality Specification

Item	Unit	Specification	Typical
Sb <sub>2</sub> O <sub>3</sub>	%	≥99.5	99.7
Pb	%	≤0.1	0.07
As	%	≤0.1	0.03
Whiteness	%	≥95.0	98.5
Average Particle Size	μm	1.0 ~ 2.0	1.4
325 mesh on	%	≤0.02	0.002



## PRODUCT

### Antimony Trioxide [ Powder ]

**3-3**

#### Non-China AT-3TL Quality Specification

Item	Unit	Specification	Typical
Sb <sub>2</sub> O <sub>3</sub>	%	≥ 99.5	99.7
Pb	%	≤ 0.05	0.03
As	%	≤ 0.05	0.03
Whiteness	%	≥ 97.0	99.5
Average Particle Size	μm	0.7 ~ 1.7	1.4
325 mesh on	%	≤ 0.02	0.002

#### Large particle grade AT-3LT Quality Specification

Item	Unit	Specification	Typical
Sb <sub>2</sub> O <sub>3</sub>	%	≥ 99.0	99.8
Pb	%	≤ 0.04	0.02
As	%	≤ 0.1	0.05
Whiteness	%	≥ 93.0	96.5
Average Particle Size	μm	≤ 4.0	3.6
325 mesh on	%	≤ 0.02	0.002