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YS

**NONFERROUS METALS INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YS/T 525-2009

Replacing YS/T 525-2006

Antimony trisulfide

三硫化二锑

(English Translation)

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Foreword

The standard is "antimony trisulfide" amendments to the YS/T 525-2006, this standard with the original standard YS/T 525-2006 change compared as follows.

--- This standard adds Fe, Pb two elements;

--- The standard Sb₂S₃-0 original standard aqua regia insoluble matter is not more than 0.20% revised to no more than 0.10% sulfur free original standard Registration is not more than 0.05% modified to not more than 0.01% arsenic trisulfide original standard arsenic trisulfide not more than 0.20% as modified to not more than 0.06%, the new Fe is not more than 0.12%, Pb not more than 0.01%;

--- The standard Sb₂S₃-1 original standard aqua regia insoluble matter is not more than 0.30% revised to no more than 0.15% sulfur free original standard Registration is not more than 0.07% modified to not more than 0.03% arsenic trisulfide original standard arsenic trisulfide not more than 0.30% as modified to not more than 0.12%, the new Fe is not more than 0.15%, Pb not more than 0.015%;

--- The standard Sb₂S₃-2 original standard aqua regia insoluble matter is not more than 0.50% revised to no more than 0.30% sulfur free original standard Registration is not more than 0.10% modified to not more than 0.05% arsenic trisulfide original standard arsenic trisulfide not more than 0.30% as modified to not more than 0.12%, the new Pb not more than 0.01%;

--- Increased orders (or contract) one chapter.

This standard by the National Standardization Technical Committee of non-ferrous metals and centralized.

This standard was drafted. Tin Mine flash-antimony industry limited liability company.

Drafters of this standard. TURAL Liu Fang Yun, Wuyong Yue, Song should ball.

This standard replaces the standards previously issued as follows.

--- GB 5236-1985;

--- YS/T 525-2006.

Antimony trisulfide

1 Scope

This standard specifies the antimony trisulfide requirements, test methods and inspection rules and signs, packaging, transportation and storage, purchase orders (or contract) content.

This standard applies to stibnite liquation production of antimony trisulfide (commonly known as raw antimony). Antimony trisulfide for military, rubber, matches and other workers Industry use.

2 Normative references

The following documents contain provisions which, through reference in this standard to become the standard terms. For dated references, all subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to study under this agreement is standard Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 8170 repair value expressed about the rules and limit values and judgment YS/T 239 chemical analysis of antimony trisulfide Methods

3.1 Categories

Antimony trisulfide product by chemical composition into Sb₂S₃-0, Sb₂S₃-1, Sb₂S₃-2 three grades.

3.2 Chemical composition

3.2.1

antimony trisulfide chemical composition shall comply with the requirements in Table 1.

Table 1 chemical composition of antimony trisulfide

Trademark

chemical composition/% Antimony compounds Sulfur Impurity content of not more than
Aqua regia insolubles free sulfur Fe Pb As Sb₂S₃-0 71.00 ~ 72.50 25.50 ~ 28.00 0.10 0.01
0.12 0.01 0.06 Sb₂S₃-1 70.00 ~ 73.00 25.00 ~ 28.30 0.15 0.03 0.15 0.015 0.12 Sb₂S₃-2

69.00 ~ 73.00 25.00 ~ 28.30 0.30 0.05 - 0.020 0.12 Sb₂S₃-0 3.2.2 special purpose, Sb₂S₃-1 of "hydrochloric acid insoluble matter" should be less than 1.50%, the supplier shall provide a "hydrochloric acid insoluble matter" analysis data.

3.3 Appearance quality

Antimony trisulfide dark gray needle crystals, should not contain visually discernible inclusions.

3.4 Demand side trisulfide antimony products have special requirements, agreed upon by both parties.

Test Method 4

4.1 antimony trisulfide chemical composition performed in YS/T 239 requirements.

Antimony trisulfide 4.2 Appearance quality by visual method.