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Sodium stannate

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Sodium stannate

1 Scope

This Standard specifies technical requirements, test methods, inspection rules and signs, packaging, transportation, storage, quality certificates and contract (or purchase order) content of sodium stannate products.

This Standard applies to sodium stannate products produced from metallic tin or tin-containing materials, sodium hydroxide and sodium nitrate.

2 Normative references

The provisions in following documents become the provisions of this Standard through reference in this Standard. For dated references, the subsequent amendments (excluding corrigendum) or revisions do not apply to this Standard, however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 6678, *General principles for sampling chemical products*

GB/T 8170, *Rules of rounding off for numerical values and expression and judgement of limiting values*

GB/T 23278 (all parts), *Methods for chemical analysis of sodium stannate*

3 Symbols, units and abbreviations

The following symbols, units and abbreviations apply to this Standard.

3.1 molecule formula

The molecular formula of sodium stannate is: $\text{Na}_2\text{SnO}_3 \cdot 3\text{H}_2\text{O}$ or $\text{Na}_2\text{Sn}(\text{OH})_6$.

3.2 relative molecular mass

266.7264 (according to 2007 international atomic weight)

4 Requirements

4.1 Product designations

6.4.2.2 Each sample must be packed immediately into a dry, airtight container. Label it.

6.4.2.3 The label should indicate the producer, product name, sample number, product batch number, quantity, analytical elements, sampling date, sampling person. Affix the seal to the closure of the sample container. The seal must be signed and approved by both the supplier and the buyer, waiting for inspection.

6.5 Judgment of inspection results

6.5.1 The value of the inspection result shall be rounded, expressed and judged in accordance with the provisions of GB/T 8170.

6.5.2 If one of the test results of the chemical composition is inconsistent with the provisions of this Standard and the contract (or purchase order), double the sample size specified in 6.4 shall be taken from the batch of products. Repeat the inspection. If the inspection results still do not meet the requirements of 4.2 of this Standard and the contract (or purchase order), the batch shall be rejected.

6.5.3 When the appearance quality does not meet the requirements of this Standard, it shall be judged as rejected according to the smallest unit (barrel, piece) of sampling.

7 Signs, packaging, transportation and storage

7.1 Signs and packaging

Sodium stannate products should be lined with plastic bags and sealed in plastic drums. The net weight of each barrel is 25kg. When the buyer has special requirements for product packaging, it can be negotiated by both parties. The product packaging should indicate:

- a) Manufacturer's name, address, trademark and contact number (or fax);
- b) Product's name and designation;
- c) Product batch number and product implementation standard;
- d) Product net weight;
- e) Production date;
- f) Conformity mark.

7.2 Transportation and storage

7.2.1 Products shall be stored in a dry, ventilated and light-free environment.

7.2.2 Products should be protected from sunlight, moisture and rain during

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