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**Determination of Moisture in Solid Chemical Products
– Thermogravimetry Method**

固体化工产品中水分含量的测定 热重法

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Determination of Moisture in Solid Chemical Products

– Thermogravimetry Method

1 Scope

This Standard specifies using the thermogravimetric analysis method to determine the moisture content in the solid chemical products.

This Standard is applicable to determine the moisture content in the solid chemical products with moisture content range from 0.050% to 28.00%.

This Standard is not applicable to the determination of chemical products that shall be weathered, deliquesced, volatilized at the room temperature; or the determination of chemical products with decomposition temperature less than 105°C. For some samples, the moisture content may contain a quantity of volatiles at 105°C below.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB/T 27761 Standard Test Method of Mass Loss and Residue Measurement Validation of Thermogravimetric Analyzers

3 Principle

The sample is heated in a thermogravimetric analyzer, and the moisture content in the sample is automatically determined based on the thermogravimetric curve.

4 Apparatus and reagents

4.1 Thermogravimetric analyzer, conforming to the thermal analyzer specified in GB/T 27761 with a built-in balance sensitivity of 0.001mg.

4.2 Crucible, select the crucible that does not react with the sample according to the

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