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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3231-2012

Determination of asbestos in talcum. Polarized light microscope and X-ray diffraction menthod

滑石中石棉含量测定 偏光显微镜-X射线衍射光谱法

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Jiangsu Entry-Exit Inspection and Quarantine Bureau.

1 Scope

This standard specifies the talc chrysotile, amosite, crocidolite qualitative and quantitative determination.

This standard applies to talc chrysotile, amosite, crocidolite qualitative and quantitative determination of.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

Laboratory use specifications and test methods GB/T 6682 Analysis

3 Safety Tips

Asbestos as a hazardous material, asbestos enters the body primarily through inhalation of airborne asbestos fibers, or by skin contact or oral intake Into. A certain amount of long-term inhalation of asbestos fibers can cause asbestosis, mesothelioma, lung cancer.

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To avoid asbestos hazards to human health, laboratory Process should wear masks, gloves, and use a fume hood.

4 Terms and Definitions

The following terms and definitions apply to this document 4.1 Asbestos it belongs to the class of fibrous silicate mineral serpentine (chrysotile asbestos. chrysotile) and fibrous silicate minerals of amphibole (amosite.

amosite, crocidolite., tremolite., actinolite., anthophyllite. anthophylite), an aspect ratio greater than 3.

Preliminary analysis of the sample primaryanalyticalsample Crushed, sieved sample processing for qualitative analysis.

Secondary analysis of a sample secondaryanalyticalsample Preliminary analysis of the sample after acid treatment for quantitative analysis.

Fibrous particles fiberparticles Particle aspect ratio of greater than 3.

5.1 Summary of Test Method

The sample was crushed, sieved made a preliminary analysis of the sample by polarized light microscopy and X-ray diffraction Combination of qualitative analysis, confirmation

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