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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 4008-2013

Rapid qualitative screening of talc powder. Powder X-ray diffraction method

滑石粉快速定性筛选 粉末X射线衍射法

(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 Liaoning Province Exit Inspection and Quarantine.

1 Scope

This standard specifies the talcum powder X-ray diffraction rapid qualitative screening methods.

This standard applies to the talc content of more than 70% of talc body products - talc rapid qualitative screening.

2 Terms and definitions

The following terms and definitions apply to this document.

Talc talc; talcum

A silicate minerals, the main hydrous magnesium silicate, the theoretical formula Mg3 (Si4O10) (OH) 2 or 3MgO. 4SiO2. H2O.

Talc talcpowder

Featured talc by net system, grinding, drying made from white or almost white, fine, powdery sand no hands touch a greasy feeling. Often due to talc Ore and quartz, chlorite, calcite, magnesite and other associated and mixed with other mineral powders. The standard refers to the alleged talc content in the talc More than 70% talc body products.

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3 PRINCIPLE OF THE METHOD

Talc having a specific crystal structure, the X-ray diffraction measurement, the conditions of a given wavelength, the material exhibits a diffraction pattern peculiar line. The diffraction data comparison test substance diffraction data analysis and standard samples talc, it can determine whether the sample contains talc, achieve Talcum powder for rapid qualitative screening.

4 Instruments and equipment

4.1
X-ray powder diffraction, technical specifications, see Appendix A.

4.2
agate mortar.

4.3
standard sieve pore size 45μm.

4.4
Analytical balance, a sense of the amount of 0.1g.

5 Sample

The sample was mixed well, take about 20g as an analytical sample in a clean container sealed.

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