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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3128-2012

Determination of oxygen element in organic chemicals. Elemental analyzer method

有机化学品中氧元素含量的测定 元素分析仪法

(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 Guangdong CIQ.

1 Scope

This standard specifies the use of elemental analyzer of organic chemicals in the oxygen content of the method.

This standard is applicable to the determination of organic chemicals in the oxygen content in.

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.

GB/T 6679 General rules for sampling solid chemicals GB/T 6680 General rules for sampling liquid chemicals

3 Terms and Definitions

The following terms and definitions apply to this document.

Blank blanks

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Blank samples, namely blank silver bag, do not load the sample.

Conditions like bypasses Preheat samples or conditions like, before the actual sample measurement, measuring several conditions like, can play a clear system, pre-test warm-up and analysis cycle Measurement and other features. Type conditions of the sample, is usually consistent with the actual analysis of samples.

4 Method summary

Samples of organic matter in the oxygen tube pyrolysis reaction - the reaction of carbon monoxide after the reduction, then under the impetus of the carrier gas, mixed Combined gas separated by chromatography and then by an appropriate detector (thermal conductivity detector), calculated its content.

5 Instruments

5.1
Analytical balance. accuracy 0.001mg.

5.2
elemental analyzer. one can analyze the oxygen detection equipment or carbon, hydrogen, nitrogen, sulfur, and by the automatic injection device, and the reaction tube furnace, oxygen Analytical column, detector four major components.

5.3
liquid sample sealer.

6 Reagents and materials

Unless otherwise indicated in the analysis using only the confirmation of analytical grade or higher purity reagents.

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