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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 32722-2016

**Soil Quality -- Guidance on long and short term storage of soil
samples**

土壤质量 土壤样品长期和短期保存指南

(English Translation)

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Foreword

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

This standard uses the translation method equivalent to ISO 18512.:2007 Guidelines for Long-term and Short-term Preservation of Soil Quality Soil Samples.

This standard is proposed by the Ministry of Agriculture of the People's Republic of China.

This standard is under the responsibility of the National Soil Quality Standardization Technical Committee (SAC/TC404).

The drafting of this standard. Nanjing Institute of Soil Science, Chinese Academy of Sciences, Zhejiang University, Jiangsu Province, Institute of Standardization.

1 Scope

This standard is used to guide how the preservation and storage of soil samples for laboratory testing, as well as the preservation of samples before the analysis method.

With particular emphasis on the maximum storage time under different preservation conditions.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

EN15192.:2006 Characterization of waste and soils Determination of solid materials by alkaline digestion and ion chromatography spectrophotometry of the hexavalent chromium content (Characterisation of waste and soil-Determination of hexavalent chromium (VI) in solid material by alkaline digestion and ion chromatography with spectrophotometric detection) ISO 10301 Water quality Highly volatile halogenated hydrocarbons Determination of gas chromatography (Water quality-Determination of highly volatile halogenated hydrocarbons-Gas-chromatographic methods) ISO 10381-6 soil quality sampling - Part 6. Indoor determination of microbial processes, biomass and diversity of soil aerobic Guidelines for harvesting, handling and storage (Soil quality-Sampling-Part 6. Guidance on the collection, handling and storage of soil under aerobic conditions for the assessment of microbiological processes, biomass and diversity in the laboratory) ISO 10382 Soil quality Determination of organochlorine pesticides and polychlorinated biphenyls Gas chromatographic electron capture detection (Soil quality-Determination of organochlorine pesticides and polychlorinated biphenyls-Gas-chromatographic method with electron capture detection) ISO 10390 Determination of soil quality pH (Soil quality-Determination of pH) ISO 10694 Soil mass dry

method for the determination of organic carbon and total carbon (elemental analysis)
[Soil quality-Determination of organic and total carbon after dry combustion
(elementary analysis)] ISO 11048 Soil quality Water-soluble and acid-soluble sulfate
determination (Soil quality-Determination of water-soluble and acid-soluble sulfate ISO 11074
Soil quality words (Soil quality-Vocabulary) ISO 11259 Soil quality Simplified soil description
(Soil quality-Simplified soil description) ISO 11261 Soil quality Determination of total nitrogen
Improved Kjeldahl law (Soil quality-Determination of total nitrogen-Modified Kjeldahl method)
ISO 11263 Soil quality - Determination of phosphorus - Spectrometric determination of
phosphorus soluble in sodium bicarbonate solution
(Soil quality-Determination of phosphorus-Spectrometric determination
of phosphorus soluble in sodium hydrogencarbonate solution ISO 11265 Determination of soil
mass ratio (Soil quality-Determination of the specific electrical conductivity ISO 11266 Soil
quality - Laboratory tests for the biodegradability of organic chemicals in soils under aerobic
conditions (Soil quality-Guidance on laboratory testing for biodegradation
of organic chemicals in soil under aerobic conditions