

ICS 65.160
CCS X 87

YC

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

YC/T 598-2023

**Monitoring guide for basic environmental parameters of
tobacco aging warehouse
(English Translation)**

Issued on: May 31, 2023

Implemented on: August 1, 2023

Issued by: State Tobacco Monopoly Administration

Table of Contents

Preface
1 Scope
2 Normative reference documents
3 Terms and Definitions
4 Basic environmental parameter monitoring method
5 Manual monitoring
6 Automatic monitoring
Appendix A (informative) Basic environmental parameter warning value
Appendix B (informative) Temperature and humidity monitoring data early warning and handling measures record analysis table
Appendix C (informative) Saturated humidity at different temperatures
Appendix D (informative) Moisture/temperature inspection process for stored tobacco leaves
Appendix E (informative) Moisture/temperature inspection process of tobacco leaves in warehouse
Appendix F (informative) Temperature and humidity inspection process for non-air-conditioned warehouses in whole warehouse storage mode
Appendix G (informative) Temperature and humidity inspection process of air-conditioned warehouse under whole warehouse storage mode
Appendix H (informative) Humidity inspection process in low-emission mechanical control mode
Appendix I (informative) Temperature check process in low-emission mechanical control mode
Appendix J (informative) Temperature, humidity and oxygen inspection process in controlled atmosphere storage mode
Appendix K (informative) Key points of regulation work in different climate regions

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting.

Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents.

1 Scope

This document gives suggestions on the methods and technical requirements for monitoring basic environmental parameters in tobacco leaf aging warehouses.

This document is applicable to the management of the natural aging process of tobacco cigarettes. The natural aging process management of tobacco stems and reconstituted tobacco leaves can refer to this document.

implement.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations for undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document.

GB/T 3836.1 Explosive atmosphere Part 1: General requirements for equipment GB/T 3836.4 Explosive atmospheres Part 4: Equipment protected by intrinsically safe type "i"
GB/T 4208 Shell protection level (IP code) JJF1076 Calibration Specification for Digital Thermohygrometer YC/T 31 Oven method for preparation and moisture determination of tobacco and tobacco product samples YC/T 300 tobacco flakes storage and maintenance natural aging method YC/T 322 Technical Specifications for Smoke Controlled Storage and Maintenance of Tablets

3 Terms and definitions

The following terms and definitions apply to this document.

Temperature, humidity, oxygen concentration (volume fraction), box (package) outside the warehouse, inside the warehouse, and inside the stack related to the aging and curing of tobacco leaves during the storage process Monitoring values such as internal temperature and tobacco leaf moisture.

When the temperature and humidity in the warehouse are suitable for the storage requirements of tobacco leaf raw materials, measures should be taken to prevent or reduce the impact of the temperature and humidity outside the warehouse on the warehouse to make the warehouse suitable the temperature and humidity conditions tend to be stable.

When the ambient temperature and humidity in the warehouse are not suitable for the storage requirements of raw tobacco leaves, measures should be taken to improve the temperature and humidity in the warehouse so that it is suitable for the storage of raw tobacco leaves.

material storage requirements.

storeroom

A single independent partition in a warehouse that has the function of storing items.