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

GB/T 14095-2007

Replacing GB/T 14095-1993

Drying technology of agricultural products - Terminology

农产品干燥技术 术语

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Table of Contents

Foreword

1 Scope

About this edition

Classification and status

How a Chinese national standard is set out

About this English translation

Foreword

This standard is GB/T 14095-1993 "agro-technical terms of drying," the amendment. This standard and GB/T 14095-1993 compared to the main changes are as follows:

--- The standard name changed to "produce drying technology terms";

--- Increasing the impinging stream drying, vibration fluidized drying, fluidized drying pulsed, continuous dryers, batch cycle dryer, downstream drying Machine, cross-flow dryer, a countercurrent dryer, Francis dryer, the drying cycle, the amount of processing and other words;

--- Modify the hot air drying, flash drying, the total energy consumption of the unit name and direct heating, far infrared dryer, horn pipe, precipitation rate, Drying rate, drying unevenness of the definition;

--- Remove the column dryer, tower dryer vocabulary. From the date of implementation of this standard instead of GB/T 14095-1993. The standard proposed by China Machinery Industry Federation. This standard by the National Standardization Technical Committee of agricultural machinery. This standard was drafted. Chinese Academy of Agricultural Mechanization Sciences, China Agricultural University. The main drafters. Zhang Xian Sheng, Cao Chongwen, Chen Jun Bao, Muren Sheng. This standard replaces the standards previously issued as follows:

--- GB/T 14095-1993. Drying agricultural technical terms

1 Scope

GB/T 14095-2007 is the Chinese national standard on drying technology of agricultural products - terminology, in the field of agriculture. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers

meet it. It was issued on 1 November 2007 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 January 2008. Classification: ICS 65.060.99, CCS B91. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the terms and methods of agricultural drying process, drying machine, dryer parts, dryer operating parameters and technical indicators And definitions. This standard applies to dried agricultural and technological exchanges, preparing uniform textbooks, technical books and papers report terms.

2 Drying process and drying methods

- 2.1 So that the material in the water vaporization and separation process.
- 2.2 You can transfer heat and makes the material dry matter.
- 2.3 The heated material itself equilibrium temperature gradient and moisture gradient drying process generated in the process.
- 2.4 No gas heat exchanger by direct heating method as drying medium.
- 2.5 Heated air through the heat exchanger as a heating method of drying medium.
- 2.6 Dried within 10 °C drying medium temperature higher than the ambient temperature.
- 2.7 Drying medium temperature equal to or higher than the heating temperature to allow the material to be dried is dried.
- 2.8 Drying medium temperature alternating high and low temperatures using a combination of drying.
- 2.9 With the drying medium temperature drying process requirements change according to certain rules and dried.
- 2.10 Forced hot air through the drying material.