

ICS 65.150
CCS B 52



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

GB/T 21044-2024

Replacing GB/T 21044-2007

Chinese soft-shelled turtle

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Issued on: December 31, 2024

Implemented on: July 1, 2025

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 21044-2007 "Chinese soft-shelled turtle". Compared with GB/T 21044-2007, except for structural adjustments and editorial changes, In addition, the main technical changes are as follows.

- a) The description of external morphological features has been changed (see 5.1.1~5.1.5, 5.1.1~5.1.5 of the 2007 edition);
- b) Added the schematic diagram of the appearance measurement of Chinese soft-shell turtle (see 5.2.1);
- c) The scalability characteristics have been changed (see 5.2, 5.2 of the 2007 edition);
- d) Added the carapace and plastron plates of Chinese soft-shell turtle (see 5.3.2);
- e) replace "reproductive characteristics" with "growth and reproduction" (see Chapter 6, Chapter 6 of the 2007 edition);
- f) Changed the karyotype diagram, karyotype formula and arm number of Chinese soft-shell turtle (see 7.1, 7.1 of the 2007 edition);
- g) The measured graph and scan graph of lactate dehydrogenase (LDH) isozymes in the muscles of Chinese soft-shell turtle were modified (see 7.2, 7.2 of the 2007 edition);
- h) Added molecular genetic characteristics (see 7.3);
- i) Added the method for determining the age of Chinese soft-shell turtle (see 8.3.2);

- j) Changed the pretreatment method for chromosome preparation (see 8.4.1, 8.2.1 of the 2007 edition);
- k) The electrophoretic separation method of isozymes has been changed (see 8.5.6, 8.3.2 of the 2007 edition);
- l) Added molecular genetic characterization methods (see 8.6);
- m) Changed the inspection rules and result determination rules to determination rules (see Chapter 9, Chapter 9 of the 2007 edition);
- n) Added the preparation methods of various isoenzyme reagents (see Appendix A).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the Ministry of Agriculture and Rural Affairs of the People's Republic of China.

This document is under the jurisdiction of the National Technical Committee on Aquatic Products Standardization (SAC/TC156).

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The previous versions of this document and the documents it replaces are as follows.

- First published in 2007 as GB 21044-2007;
- In 2017, it was transformed from a mandatory national standard to a recommended national standard GB/T 21044-2007;
- This is the first revision. Chinese soft-shell turtle

1 Scope

The main morphological and structural characteristics, growth and reproduction, cytogenetic characteristics, biochemical genetic characteristics and molecular genetics of Chinese soft-shell turtle germplasm were determined.

The paper describes the chemical characteristics of the product, describes the corresponding detection methods, and stipulates the judgment rules.

This document applies to the germplasm detection and identification of Chinese soft-shelled turtle.

2 Normative references

GB/T 18654.2

GB/T 18654.3

GB/T 18654.12

GB/T 18654.13

GB/T 22213

3 Terms and definitions

The terms and definitions defined in GB/T 18654.3, GB/T 22213, SC/T 1108 and the following apply to this document.

3.1 Back length carapace length

The maximum straight-line distance from the front edge of the back center line to the rear edge of the back skirt.

3.2 Back width carapacewidth

The maximum straight-line distance between the left and right outer edges of the back.

[Source. SC/T 1108-2011, 3.2, modified]

3.3 Body height

The maximum dorsal-ventral distance. [Source. SC/T 1108-2011, 3.3]

3.4 Rear skirt widthreapronwidth

The maximum straight-line distance from the posterior edge of the carapace to the edge of the posterior skirt.

[Source. SC/T 1108-2011, 3.4, modified]