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**CERTIFICATION AND ACCREDITATION INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

RB/T 138-2023

**Technical specifications for the certification of
selenium-enriched product
(English Translation)**

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Table of Contents

Foreword

Introduction

1 Scope

2 Normative references

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:

Introduction

Selenium is an essential trace element for humans and animals, and plays a vital role in human nutrition and health:

Selenium-rich products (agricultural products or foods) are an important source of selenium intake for the human body:

Selenium-rich agricultural products can be derived from agricultural products grown in selenium-rich soil or agricultural products raised in a selenium-rich environment, depending on the production process:

The selenium content of agricultural products can also be increased through biofortification during planting or breeding; similarly, selenium-rich foods can be Selenium-rich foods can be produced by processing agricultural products as raw materials, or by adding selenium nutrient enhancers during food processing:

Carrying out selenium-rich product certification will help standardize the production management of selenium-rich products, promote the development of the selenium-rich industry, and enhance the brand value of selenium-rich products:

The value is an important means to ensure the sustainable and healthy development of the selenium-rich industry: Research and formulate technical specifications for selenium-rich product certification, and standardize the certification service process:

It is of great significance to improve work efficiency, enhance consumers' market awareness and enhance the market competitiveness of certified products:

This document is formulated to provide a technical basis for the standardization,

consistency and fairness of selenium-rich product certification:

Technical Specifications for Selenium-Rich Product Certification

1 Scope

This document provides a classification of selenium-rich products and stipulates the overall certification requirements, certification evaluation requirements, certification implementation requirements and certification logo, etc:

content:

This document is applicable to third-party certification bodies to carry out selenium-rich product certification activities, and selenium-rich product production organizations and other relevant institutions to refer to this document:

use:

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document:

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document:

GB 2760 National Food Safety Standard Food Additives Usage Standard GB 2762 National Food Safety Standard Limits of Contaminants in Food GB 3095 Ambient Air Quality Standard GB 5009.93 National Food Safety Standard Determination of Selenium in Food GB 5084 Agricultural irrigation water quality standard GB 5749 Sanitary standard for drinking water GB/T 5750.6 Standard test methods for drinking water Part 6: Metal and metalloid indicators GB 8537 National Food Safety Standard for Drinking Natural Mineral Water GB 8538 National Food Safety Standard Test Method for Drinking Natural Mineral Water GB 11607 Fishery Water Quality Standard GB/T 13883 Determination of selenium in feed GB 14880 National Food Safety Standard Standard for the Use of Food Nutrition Fortifiers GB 14881 National Food Safety Standard General Hygienic Specification for Food Production GB/T 15505 Water quality - Determination of selenium - Graphite furnace atomic absorption spectrophotometry GB 15618 Soil Environmental Quality Agricultural Land Soil Pollution Risk Control Standard (Trial Implementation) GB 18596 Pollutant emission standards for livestock and poultry breeding GB/T 19011 Management System Audit Guide GB 19304 National Food Safety Standard Hygienic Specification for the Production of Packaged Drinking Water GB/T 22499 Selenium-enriched rice GB/T 27030 General requirements for third-party composite marking for conformity assessment GB/T 27065 Requirements for certification bodies for conformity assessment products, processes

and services GB/T 27067 Conformity Assessment Product Certification Basis and Product Certification Scheme Guide GB 28050 National Food Safety Standard General Rules for Nutrition Labelling of Prepackaged Foods GH/T 1135 Selenium-rich agricultural products NY/T 600 Selenium-enriched tea NY/T 1104 Determination of total selenium in soil