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

GB/T 43447-2023

**Jewellery - Colours of gold alloys - Definition, range of colours
and designation**

首饰 金合金颜色 定义、颜色范围和命名

(English Translation)

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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:

This document has been modified to adopt ISO 8654:2018 "Jewellery Gold Alloy Color Definition, Color Range and Naming":

Compared with ISO 8654:2018, this document has many structural adjustments:

Comparison list of structure number changes between the two files See Appendix A:

Compared with ISO 8654:2018, this document has many technical differences: Use vertical single words in the outer margin of the clauses involved:

Lines (|) are marked: A list of these technical differences and their causes is provided in Appendix B:

The following editorial changes have been made to this document:

---Incorporated the amendments to ISO 8654:2018/Amd:1:2019, the outer margins of the clauses involved are marked with vertical Double lines (||) are marked:

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 specifies the definitions, nomenclature and color measurement methods related to the color of gold alloys:

This document applies to gold alloy products or gold alloy covered products:

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 3977 Color Representation Method (GB/T 3977-2008, CIE15.2004, NEQ) GB/T 3978 Standard lighting bodies and geometric conditions (GB/T 3978-2008, CIE15.2004, CIE S005.1999, NEQ) GB/T 3979 Measurement method of object color (GB/T 3979-2008, CIE15.2004, NEQ) GB/T 7921 Uniform color space and color difference formula (GB/T 7921-2008, CIE15.2004, CIE142.2001, NEQ)

3 Terms and definitions

The terms and definitions defined in GB/T 3977, GB/T 3978, GB/T 3979, GB/T 7921 and the following apply to this document:

colorcolour

Visual properties represented by chromaticity coordinates x , y and stimulus value Y :

Note 1: GB/T 3979 stipulates that the value of Y is consistent with the percentage of light reflection factor:

Note 2: When used for specific purposes or in the field of national standardization, the chromaticity coordinates can be converted into other nationally or internationally recognized colors according to GB/T 7921:

degree system (such as CIE1976L^{*}a^{*}b^{*} color space or CIE1976L^{*}u^{*}v^{*} color space):

tolerance

The tolerance range of the nominal value of the chromaticity coordinate corresponding to a certain color number:

color filmcolourslip Flake precious metal products showing a specific color made according to a certain chemical composition:

4 Naming

According to the chromaticity coordinates, the naming of the seven colors is shown in Table 1: