

ICS 77.120.99

CCS H 04



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

GB/T 13449-2021

Replacing GB/T 13449-1992

Method for sampling and sample preparation of gold lump ores

金块矿取样和制样方法

Issued on: April 30, 2021

Implemented on: November 1, 2021

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

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and definitions

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 of Standardization Documents" Drafting. This document replaces GB/T 13449-1992 "Manual Method for Sampling and Sample Preparation of Gold Nuggets". Compared with GB/T 13449-1992, In addition to structural adjustments and editorial changes, the main technical changes are as follows:

---The reference standards GB/T 2007.1 and GB/T 2007.2 are deleted (see Chapter 2 of the.1992 edition);

---Added reference standards GB/T 2007.3, GB/T 7739, GB/T 14260 (see Chapter 2);

--- Deleted the terms "manual sampling" and "stratified sampling" (see.1992 edition 3.1, 3.11);

--- Added the terms "inspection lot", "quality fluctuation", "precision" and "coefficient of variation" (see 3.2, 3.11, 3.12, 3.13);

---The relationship between the type of quality fluctuation and the number of copies has been added (see 4.4);

---The relationship between the maximum particle size of the sample and the amount of incremental sample has been increased (see 4.5);

---Added the parallel sampling method of unloading truck in stockyard (see 5.3.2);

---Added the sampling method of bagged gold nuggets (see 5.3.3);

--- Deleted "determining the total precision of metallurgical gold nuggets as $\pm 2\%$ " and "determining the sampling precision of metallurgical gold nuggets as 1.62%"

5.2 of the.1992 edition);

--- Deleted "stratified sampling" (see.1992 edition 5.7.1);

---The grinding fineness is changed, and the -150 mesh is changed to 0.074mm (see 6.2.1,

1 Scope

GB/T 13449-2021 is the Chinese national standard on method for sampling and sample preparation of gold lump ores, in the field of metallurgy. 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 30 April 2021 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 November 2021. Classification: ICS 77.120.99, CCS H 04. 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 document specifies the requirements for sampling and sample preparation, sampling, sample preparation, test methods, sample storage and identification of gold nuggets for metallurgy. This document is applicable to sampling and sample preparation methods based on manual methods under the conditions specified in the technical standards for metallurgical gold nuggets.

2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, dated quotations Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to This document.

GB/T 2007.3 General Rules for Sampling and Sample Preparation of Bulk Mineral Products
Test Method for Evaluating Quality Fluctuation

GB/T 2007.4 Bulk Mineral Products Sampling and Sample Preparation General Rules
Deviation, Precision Checking Test Method

GB/T 2007.6 General Rules for Sampling and Sample Preparation of Bulk Minerals

GB/T 2007.7 General Rules for Sampling and Sample Preparation of Bulk Minerals

GB/T 7739 (all parts) Methods for chemical analysis of gold concentrates

GB/T 14260 General Rules for Sampling and Sample Preparation of Bulk Heavy
Non-ferrous Metal Flotation Concentrates

3 Terms and definitions

The following terms and definitions defined in GB/T 14260 apply to this document.

3.1 Batch lot Under the assumption of the same conditions, a certain quality of ore processed or produced.

3.2 Lotsample Sampling unit designated for determining grade. [Source: GB/T 14260-2010, 3.1]

3.3 Deliverylot A certain amount of ore of the same specification can be delivered at one time, which can be composed of one or more inspection lots.

3.4 Batch It constitutes the quality of an inspection lot or a delivery lot of ore.

3.5 Basic lot The minimum quality of a batch specified in the sampling standard. A basic batch of ore from trucks and bicycles can be used.