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HB

INDUSTRY STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

HB 7716.17-2022

Spectral analysis methods for chemical composition of titanium alloys - Part 17: Determination of boron content by inductively coupled plasma atomic emission spectrometry

钛合金化学成分光谱分析方法 第 17 部分：电感耦合等离子体原子发射光谱法测定硼含量

(English Translation)

Issued on: April 8, 2022 **Implemented on: October 1, 2022**

Issued by: Ministry of Industry and Information Technology of the People's Republic of China

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/hb-7716-17-2022

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Table of Contents

[Preview only]
1 Scope
2 Normative References
2.1 Terms
3 Terms and Definitions
4 Overview
4.1 General requirements
5 Technical Requirements
6 Calibration conditions
6.1 Environmental conditions
6.2 Measurement standards and other equipment
7 Calibration items and calibration methods
7.1 Calibration Items
7.2 Calibration method
8 Expression of calibration results
9 Recalibration interval

1 Foreword

HB 7716.17-2022 was issued by Ministry of Industry and Information Technology of the People's Republic of China on 8 April 2022 and has been in force since 1 October 2022.

It is one of 3 parts of the HB 7716 series.

The HB prefix, without a suffix, marks a mandatory standard: within its scope, compliance is required.

2 Scope Preview

This standard specifies the reagents, instruments, sampling and sample preparation, analysis steps, calculation of analysis results, tolerance and quality control and requirements for the determination of boron content in titanium alloys by inductively coupled plasma atomic emission spectrometry. This standard is applicable to the determination of boron content in titanium alloys. The mass fraction range of the determination is: 0.005% ~ 0.05%.

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HB 7716.17-2022 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 171 other HB standards.

Of the 65 HB standards that do carry an ICS number, 65 (100%) fall under ICS 49, in the field of aircraft and space vehicle engineering.

3 About this standard

Sector: Aviation Industry Standard

Issued by: Ministry of Industry and Information Technology of the People's Republic of China

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

HB 7716.16-2022 - Spectral analysis method for chemical composition of titanium alloy - Part 16: Determination of platinum and palladium content by inductively coupled plasma atomic emission spectrometry

HB 7716.18-2022 - Spectral analysis method for chemical composition of titanium alloy - Part 18: Determination of lithium and lead content by inductively coupled plasma atomic emission spectrometry

Standards on related subjects:

JB 2293-1978 - Wind tunnel test method of radiator of automobile and tractor

5 Classification and status

Prefix HB: mandatory standard.

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