Chinastandards.org

CCS Y 51

JY

JY/T 0583-2020

General rule of focused ion beam system analysis method

聚焦离子束系统分析方法通则

(English Translation)

Issued on: September 29, 2020 **Implemented on: December 1, 2020**

Issued by: Ministry of Education of the People's Republic of China

Preview: page 1 of 4 shown, 7 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jy-t-0583-2020

Chinastandards.org

Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Classification
4 Requirements
4.1 Qualitative analysis of phases
4.2 Quantitative analysis of phase
4.3 Determination of grain size and lattice distortion
4.4 Determination of unit cell parameters of cubic crystals
4.5 Solving the crystal structure from ab initio polycrystalline diffraction data
4.6 High and low temperature diffraction
5 Reagents and materials
5.1 Standard material
5.2 Organic solvents
5.3 Sieves
5.4 Sample preparation tools
5.5 Microscope
5.6 Specimen plate
6 Instruments
6.1 Composition of the instrument
6.2 Verification or calibration
6.3 XZGJ Higher Education Management Data Subset
6.4 XZSF Teacher Education Management Data Subset
7 Samples
7.1 Pretreatment of samples
7.2 Filling of the specimen plate
7.3 Judge whether the specimen plate is available
8 Analysis steps
8.1 Startup and parameter setting of the instrument
8.2 Steps of phase qualitative analysis
8.3 Steps for phase quantitative analysis
8.4 Determination of grain size and lattice distortion by linewidth method

Preview: page 2 of 4 shown, 7 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jy-t-0583-2020

8.5 Procedure for determination of unit cell parameters of cubic crystals

1 Foreword

JY/T 0583-2020 was issued by Ministry of Education of the People's Republic of China on 29 September 2020 and has been in force since 1 December 2020.

The JY/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 7 pages in English translation.

2 Scope Preview

JY/T 0583-2020 is filed under Chinese Standard Classification Y 51, in the field of light industry and consumer goods.

This catalogue holds 89 other JY/T standards without an ICS number.

In this catalogue, JY/T standards carry edition years from 2002 to 2026.

3 About this standard

Issued by: Ministry of Education of the People's Republic of China

English translation: about 7 pages

Chinese original: about 10,168 characters

4 Related standards

Standards on related subjects:

JY/T 0587-2020 - General rules for X-ray polycrystalline diffractometry

SN/T 0869-2017 - Determination of ascorbic acid in beverage for export

QB/T 1337-2010 - Pencil sharpener

JY/T 0575-2020 - General rules of analytical methods for ion chromatography

JY/T 0574-2020 - General rules of gas chromatography analysis method

JY/T 0573-2020 - General rules of laser Raman spectroscopy analysis methods

Preview: page 3 of 4 shown, 7 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jy-t-0583-2020

Chinastandards.org

5 Classification and status

Chinese Standard Classification (CCS): Y 51

Prefix JY/T: recommended standard.

Preview: page 4 of 4 shown, 7 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jy-t-0583-2020