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ICS 07.140
CCS C 06

SF

SF/T 0174-2024

Determination of 32 elements including lithium in biological samples by inductively coupled plasma-mass spectrometry

生物检材中锂等32种元素的电感耦合等离子体质谱检验方法

(English Translation)

Issued on: December 30, 2024 **Implemented on: June 1, 2025**

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

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1 Foreword

SF/T 0174-2024 was issued by Ministry of Justice of the People's Republic of China on 30 December 2024 and has been in force since 1 June 2025.

The SF/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

This standard specifies the inductively coupled plasma mass spectrometry test method for 32 elements in biological samples (blood, urine and hair), including lithium, beryllium, boron, magnesium, calcium, titanium, vanadium, chromium, manganese, iron, cobalt, nickel, copper, zinc, gallium, arsenic, selenium, rubidium, strontium, zirconium, molybdenum, silver, cadmium, antimony, cesium, barium, gold, mercury, thallium, lead, thorium and uranium, including the principle, reagents, instruments and equipment,

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operation methods and evaluation of analysis results. This document is applicable to the quantitative analysis of 32 elements in biological samples (blood, urine and hair), including lithium, beryllium, boron, magnesium, calcium, titanium, vanadium, chromium, manganese, iron, cobalt, nickel, copper, zinc, gallium, arsenic, selenium, rubidium, strontium, zirconium, molybdenum, silver, cadmium, antimony, cesium, barium, gold, mercury, thallium, lead, thorium and uranium.

SF/T 0174-2024 falls under ICS 07.140, in the field of natural and applied sciences.

This catalogue holds 31 other SF/T standards in that field.

In this catalogue, SF/T standards carry edition years from 2017 to 2025.

3 About this standard

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

English translation: about 7 pages

Chinese original: about 10,152 characters

4 Related standards

Standards on related subjects:

WS/T 655-2019 - Safety Management for Lung Ventilator

WS 310.1-2016 - Central sterile supply department(CSSD). Part 1: Management standard

SF/T 0172-2024 - Determination of koumine, gelsemine, and gelsenicine in biological samples by liquid chromatography-mass spectrometry

SF/T 0175-2024 - Determination of 238 poisons (drugs) in blood and urine by liquid chromatography-mass spectrometry

SF/T 0167-2024 - Detection of 239 synthetic cannabinoids and their metabolites in blood and urine by liquid chromatography-high-resolution mass spectrometry

5 Classification and status

International classification (ICS): 07.140

Chinese Standard Classification (CCS): C 06

Prefix SF/T: recommended standard.

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