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ICS 07.140
CCS C 06

SF

SF/T 0180-2024

Organic mass spectrometry identification general rules in forensic toxicology

法医毒物有机质谱定性分析通则

(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 0180-2024 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 5 pages in English translation.

2 Scope Preview

This standard specifies the general rules for qualitative analysis of forensic toxicology using organic mass spectrometry, including principles, chromatographic separation and mass spectrometry detection. This document applies to the qualitative analysis of poisons (drugs) by organic mass spectrometry in forensic toxicology [mass analysis systems include quadrupole, ion trap, time of flight, sector magnetic field, Fourier transform ion cyclotron resonance, electrostatic field orbital trap, etc., and ion sources include electron impact

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ionization source (EI), chemical ionization source (CI), electrospray ionization source (ESI) and atmospheric pressure chemical ionization source (APCI), etc.].

SF/T 0180-2024 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 5 pages

Chinese original: about 7,794 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 0176-2024 - Determination of S(+)-methamphetamine, R(-)-methamphetamine, S(+)-amphetamine, and R(-)-amphetamine in urine and hair by liquid chromatography-mass spectrometry

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

5 Classification and status

International classification (ICS): 07.140

Chinese Standard Classification (CCS): C 06

Prefix SF/T: recommended standard.

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