WHAT IS AN AAFS STANDARD FACTSHEET?
The AAFS produces clear, concise, and easy-to-understand factsheets to summarize the contents of technical and professional forensic science standards on the OSAC Registry. They are not intended to provide an interpretation for any portion of a published standard.

WHAT IS THE PURPOSE OF THIS STANDARD?
Analytical procedures provide essential direction to staff performing toxicological analyses. This standard describes requirements for the minimum content of analytical procedures in forensic toxicology.

This standard applies to forensic science service providers (FSSPs) performing forensic toxicological analysis in the following sub-disciplines: postmortem forensic toxicology, human performance toxicology (e.g., drug-facilitated crimes and driving-under-the-influence of alcohol or drugs), non-regulated employment drug testing, court-ordered toxicology (e.g., probation and parole, drug courts, child services, breath alcohol), and general forensic toxicology (non-lethal poisonings or intoxications).

It outlines minimum requirements for standard operating procedure (SOP) content so that they are easily understood and followed.

HOW IS THIS STANDARD USED, AND WHAT ARE THE KEY ELEMENTS?
This standard defines the minimum components to be included in standard operating procedures used in forensic toxicology. The order of the required components is not mandated.

SOPs may contain all required components or may reference other applicable documents to meet the requirements. Components may be narrative, in list form, or be comprised of detailed step-by-step instructions for work.

Components include items such as Title, Purpose and Scope, Specimen Criteria, Safety, Equipment, Sample Preparation and Procedure, Performance Characteristics, Analytical Parameters, Data Analysis, Corrective Measures, Reporting, and References. It is important that identified limitations of the method be included. Document control requirements are defined and include, the effective date, approving authority, and pagination for each SOP.


WHY IS THIS STANDARD IMPORTANT? WHAT ARE ITS BENEFITS?
Adherence to the standard promotes the use of toxicological testing analytical procedures that are sufficiently detailed.

Analytical procedures provide the direction necessary to generate accurate and reproducible results.

Informative, concise SOPs aid personnel in the generation of reliable results.

FSSPs providing forensic toxicology services are encouraged to meet this standard.

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