

SUPPLEMENTAL DOCUMENT SD-5  
FOR SWGDRUG RECOMMENDATIONS  
Reporting Examples

Introduction:

This document presents **two** examples of report writing that incorporate SWGDRUG recommendations (i.e. Part IVA Section 9.2 Report **w**riting, Part IIIA Section 6 Reporting and Part IVC Section 5 Reporting of uncertainty). These examples are designed to assist laboratories in producing reports that capture required information in an accurate, clear, and objective manner. They are meant to be illustrative, not exclusive or limiting.

It is recognized that factors such as jurisdictional requirements, laboratory information management systems and customer needs will affect the composition and format of reports. As such, these reports are merely intended to be representative of how a laboratory drug report may appear.

Laboratories may report additional information that is not included in these examples.

<Laboratory Name>  
<Location>

Report of Laboratory Examination  
Laboratory Case Number <Lab#-XXX>

Submitting Agency: <Name>  
<Address>

Date of Evidence Receipt: 03JUL2019

Items Submitted:

Item 1: One (1) evidence bag containing:

Item 1.1: One (1) brick-shaped package of compressed white powder

Item 2: One (1) evidence bag containing:

Item 2.001 – 2.978: Nine hundred seventy-eight (978) paper packets containing a brown powder

Item 3: One (1) evidence bag containing:

Item 3.1: Fifty-three (53) round, red tablets marked “44 112”

Item 4: One (1) evidence bag containing:

Item 4.1: One (1) three-neck round-bottom flask containing residue

Item 5: One (1) evidence bag containing:

Item 5.1: One (1) plastic bag containing compressed plant material

Results and Conclusions:

Item 1.1: Powder was analyzed and found to contain cocaine HCl.

*Net Weight:* 1024.6 g ± 1.2 g (95% level of confidence).

*Tests/Techniques:* weight determination on 08JUL2019, Gas Chromatography/Mass Spectrometry (GC/MS) on 09JUL2019, Fourier Transform Infrared Spectroscopy (FTIR) on 17JUL2019.

Item 2.001 – 2.978: By statistically sampling 28 packets, it is concluded at a 95% level of confidence, that at least 90% of the population contained heroin (salt form undetermined).

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*Weight:* The amount of powder in 978 packets is 29.0 g ± 1.8 g at a 95% level of confidence, determined by weighing 10 bags and extrapolating to obtain the total net weight.

*Purity (calculated as base):* Samples from 10 packets were combined, homogenized and were determined to be 32% ± 2% (95% level of confidence).

*Tests/Techniques:* weight determination on 10-11JUL2019, GC/MS on 15JUL2019, Liquid Chromatography/Diode Array Detector (LC/DAD) on 16JUL2019.

Item 3.1: Pharmaceutical identifier indicated 30 mg of pseudoephedrine hydrochloride per tablet. One (1) tablet was analyzed and found to contain pseudoephedrine HCl.

*Tests/Techniques:* pharmaceutical identifier on 08JUL2019, FTIR on 17JUL2019.

Item 4.1: Residue was analyzed and found to contain pseudoephedrine or ephedrine (salt form undetermined).

*Tests/Techniques:* Gas Chromatography/Flame Ionization Detector (GC/FID) on 19JUL2019, GC/MS on 22JUL2019.

Item 5.1: Plant material was moldy and found to be unsuitable for analysis.

Analyst: Jane Q. Chemist  
Jane Q. Chemist

Date: 25 July 2019

End of Report

<Laboratory Name>  
<Location>

Report of Laboratory Examination  
Laboratory Case Number <Lab#-XXX>

Submitting Agency: <Name>  
<Address>

Date of Evidence Receipt: 03JUL2019  
Date of Report: 25JUL2019

Items Submitted:

Item #-XXX-1: One brick-shaped package of compressed white powder

Item #-XXX-2: Numerous paper packets containing a brown powder

Item #-XXX-3: Several round, red tablets marked "44 112"

Item #-XXX-4: One three-neck round-bottom flask containing a solid white residue

Item #-XXX-5: One plastic bag containing compressed plant material

Results and Conclusions:

Item	Substance	Net Weight/Quantity	Purity	Tests/Techniques
#-XXX-1	Cocaine HCl	1024.6 g ± 1.2 g	n/a	weight, GC/MS, FTIR
#-XXX-2	Heroin (salt form undetermined)	29.0 g ± 1.8 g	32% ± 2% (calculated as base)	weight, HPLC/DAD, GC/MS
#-XXX-3	Pseudoephedrine HCl (1 tablet tested)	53 tablets	n/a	pharmaceutical identifier, FTIR
#-XXX-4	Pseudoephedrine or Ephedrine (salt form undetermined)	n/a	n/a	GC/FID, GC/MS
#-XXX-5	Marijuana	28.45 g ± 0.09 g	See Remarks	weight, microscopic examination, color test, GC/MS

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Remarks:

Items #-XXX-1, 2 and 5: The uncertainties of all weights and purity determinations were reported at a 95% level of confidence.

Item #-XXX-2: Using the hypergeometric sampling plan, 28 packets were analyzed resulting in a 95% level of confidence that at least 90% of the 978 packets contained heroin. The net weight reported was determined from weighing the contents of nine individual packages. For the purity determination, samples from nine packets were combined, homogenized and were determined to be 32% ± 2% (95% level of confidence). Based on the reported net weight and purity determination, the amount of pure drug is calculated to be 9.2 g ± 0.7 g (95% level of confidence).

Item #-XXX-3: The 53 tablets were the same size, shape, color, and labeled with the same markings. One tablet was selected for analysis.

Item #-XXX-4: Due to the limited sample amount, a technique was not available in laboratory to distinguish between pseudoephedrine and ephedrine.

Item #-XXX-5: The delta-9 tetrahydrocannabinol ( $\Delta^9$  THC) content was greater than 0.3% dry weight excluding hemp as defined in section 297A(1) of the Agricultural Improvement Act of 2018.

Date(s) of performance of laboratory activities are available upon request from the laboratory.

Abbreviations:

n/a = not applicable

GC/MS = Gas Chromatography/Mass Spectrometry

FTIR = Fourier Transform Infrared Spectroscopy

HPLC/DAD = High Performance Liquid Chromatography/Diode Array Detector

GC/FID = Gas Chromatography/Flame Ionization Detector

Analyst: John Q. Chemist\*

\* secure electronic signature