



Synthetic Drug Analysis

Test No. 23-5041 Summary Report

Each sample pack consisted of two questioned samples containing powdered substances. Participants were requested to analyze these samples for the presence of synthetic drugs. Data were returned from 94 participants and are compiled into the following tables:

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This report contains the data received from the participants in this test. Since these participants are located in many countries around the world, and it is their option how the samples are to be used (e.g., training exercise, known or blind proficiency testing, research and development of new techniques, etc.), the results compiled in the Summary Report are not intended to be an overview of the quality of work performed in the profession and cannot be interpreted as such. The Summary Comments are included for the benefit of participants to assist with maintaining or enhancing the quality of their results. These comments are not intended to reflect the general state of the art within the profession.

Participant results are reported using a randomly assigned "WebCode". This code maintains participant's anonymity, provides linking of the various report sections, and will change with every report.

Manufacturer's Information

Each sample pack consisted of two items. Item 1 contained approximately 200 mg of 18% N,N-Dimethyltryptamine (DMT). Item 2 contained approximately 250 mg of cornstarch. N,N-Dimethyltryptamine is a Schedule I controlled substance in the United States.

SAMPLE PREPARATION: Prior to production, the appropriate amount of N,N-Dimethyltryptamine and cornstarch for Item 1 were combined and thoroughly mixed to ensure homogeneity.

ITEM 1 (PREPARATION): Approximately 200 mg of 18% N,N-Dimethyltryptamine was weighed out and deposited into a glassine bag, which was folded and secured with a label. The folded glassine bag was placed into a small zip top bag, which was heat sealed and then placed into a pre-labeled envelope.

ITEM 2 (PREPARATION): Approximately 250 mg of cornstarch was weighed out and deposited into a glassine bag, which was folded and secured with a label. The folded glassine bag was placed into a small zip top bag, which was heat sealed and then placed into a pre-labeled envelope.

SAMPLE PACK ASSEMBLY: One of each of the Item 1 and Item 2 envelopes were placed into a larger pre-labeled sample pack envelope.

VERIFICATION: The above substances were identified by predistribution laboratories, who used the following combined list of techniques: GC-MS, FTIR, TLC, Color Tests, TruNarc Raman, UV, GC.

Item	Synthetic Drug Group	Synthetic Drug
1	Tryptamine	N,N-Dimethyltryptamine (DMT)
2	No Synthetic Substance	N/A

Summary Comments

This test was designed to allow participants to assess their proficiency in the qualitative analysis of questioned samples that may contain synthetic substances. Item 1 consisted of approximately 200 mg of 18% N,N-Dimethyltryptamine (DMT). Item 2 consisted of approximately 250 mg of cornstarch. In the United States, N,N-Dimethyltryptamine is a Schedule I controlled substance (See Manufacturer's Information for preparation details). It is a psychedelic compound bearing the tryptamine substructure. While DMT is a naturally occurring substance present in many plants, tryptamines can also be synthetically produced in clandestine labs.

For Item 1, 79 of the 94 participants reported the synthetic drug group "tryptamine" while 15 reported that a synthetic substance was detected/identified but did not specify a group. All 94 participants that reported the presence of a synthetic drug further identified/detected N,N-Dimethyltryptamine (DMT). All 94 participants reported that no synthetic substances were identified for Item 2. The most commonly reported examination methods were GC/MS, color tests, and FTIR.

Synthetic Drug Analysis (Item 1)

TABLE 1a - Item 1 Results

Item Contents: Tryptamine: N,N-Dimethyltryptamine (DMT)

WebCode	Synthetic Drug Group Detected	Synthetic Drug Detected
24AG39	Tryptamine	Dimethyltryptamine
28AQ4R	Tryptamine	N, N Dimethyltryptamine
29P4HY	Tryptamine	N,N-dimethyltryptamine
2EW8HT	Synthetic substance(s) detected/identified	N,N-Dimethyltryptamine (DMT)
2J9NXP	Tryptamine	Dimethyltryptamine
33DNKV	Tryptamine	N,N-Dimethyltryptamine
362ZJZ	Tryptamine	Dimethyltryptamine
3U32WZ	Tryptamine	Dimethyltryptamine
3YDECE	Tryptamine	Dimethyltryptamine
4DR3Z3	Tryptamine	N,N-Dimethyltryptamine
4L4N3X	Tryptamine	N,N-Dimethyltryptamine
4L7NA7	Tryptamine	dimethyltryptamine
6CEM9M	Tryptamine	N,N-dimethyltryptamine
6KNYLJ	Tryptamine	Dimethyltryptamine
6ZL7GZ	Tryptamine	N,N-DIMETHYLTRYPTAMINE
74V8XJ	Tryptamine	DMT
79CGH3	Synthetic substance(s) detected/identified	N,N-Dimethyltryptamine (DMT)
7D3KVJ	Tryptamine	N,N-Dimethyltryptamine
7GLDBT	Tryptamine	N,N-Dimethyltryptamine (DMT)
7LJYZA	Tryptamine	Dimethyltryptamine
7MQCKW	Tryptamine	N,N-Dimethyltryptamine (DMT)
7PFH6U	Tryptamine	N,N-Dimethyltryptamine
83YPEZ	Synthetic substance(s) detected/identified	N,N-dimethyltryptamine (DMT)
87GD4L	Tryptamine	N,N-Dimethyltryptamine (DMT)
8DZFCN	Tryptamine	DMT (dimethyltryptamine)
8J87EU	Tryptamine	N N DIMETHYLTRYPTAMINE
8KGTWL	Tryptamine	dimethyltryptamine (DMT)
8LVHDY	Tryptamine	N,N-Dimethyltryptamine
8MN7HT	Tryptamine	N,N-Dimethyltryptamine
8UNWDY	Tryptamine	N,N-DIMETHYLTRYPTAMINE
8WWG98	Tryptamine	DMT (Dimethyltryptamine)
9AJ4YK	Tryptamine	N,N-dimethyltryptamine
9HTGXF	Synthetic substance(s) detected/identified	Dimethyltryptamine
ABLX33	Tryptamine	N,N-dimethyltryptamine (DMT)

TABLE 1a - Item 1 Results
 Item Contents: Tryptamine: N,N-Dimethyltryptamine (DMT)

WebCode	Synthetic Drug Group Detected	Synthetic Drug Detected
AE882M	Synthetic substance(s) detected/identified	N,N-dimethyltryptamine (DMT)
AMJT4J	Tryptamine	N,N-Dimethyltryptamine (DMT)
BEH9ML	Synthetic substance(s) detected/identified	N,N-dimethyltryptamine (DMT)
BL64L6	Tryptamine	DMT (N,N-dimethyltryptamine)
BT7DVH	Tryptamine	Dimethyltryptamine (DMT)
CLDVP7	Tryptamine	Dimethyltryptamine
CWGBVX	Tryptamine	DimethylTryptamine
CXAWBM	Tryptamine	Dimethyltryptamine
CY2X9X	Synthetic substance(s) detected/identified	dimethyltryptamine
D97UKM	Tryptamine	N,N-Dimethyltryptamine
DBCPBX	Tryptamine	Dimethyltryptamine
DEEV7Q	Tryptamine	DMT
DPWAT7	Tryptamine	Dimethyltryptamine
DZTBEM	Tryptamine	dimethyltryptamine
EU34M2	Tryptamine	N,N-dimethyltryptamine
EWRMBK	Tryptamine	DMT (N,N-dimethyltryptamine)
FDR4R4	Synthetic substance(s) detected/identified	Dimethyltryptamine
FKVBPE	Tryptamine	N,N-Dimethyltryptamine (DMT)
FRWZ9D	Tryptamine	Dimethyltryptamine
FYA7Q9	Tryptamine	N,N-dimethyltryptamine
GB3VFB	Tryptamine	Dimethyltryptamine (DMT)
GE37D2	Tryptamine	N,N-Dimethyltryptamine
GPLE3V	Tryptamine	Dimethyltryptamine
GXFVW	Tryptamine	dimethyltryptamine
HVP7ZE	Synthetic substance(s) detected/identified	N,N-Dimethyltryptamine (DMT)
HY6BHM	Tryptamine	N, N-DIMETHYLTRYPTAMINE (DMT)
JQPGWC	Tryptamine	N, N-Dimethyltryptamine
JV3UKJ	Tryptamine	Dimethyltryptamine
KCKHLK	Tryptamine	N,N-Dimethyltryptamine
KGYQUX	Tryptamine	Dimethyltryptamine
KPAHE9	Tryptamine	Dimethyltryptamine
M2UXUJ	Tryptamine	Dimethyltryptamine
M84UZE	Tryptamine	N,N-Dimethyltryptamine (N,N-DMT)
MAM7EB	Tryptamine	Dimethyl Triptamine
MWLZD6	Tryptamine	N,N-Dimethyltryptamine

TABLE 1a - Item 1 Results
Item Contents: Tryptamine: N,N-Dimethyltryptamine (DMT)

WebCode	Synthetic Drug Group Detected	Synthetic Drug Detected
N2DC24	Synthetic substance(s) detected/identified	Dimethyltryptamine
NXQXFK	Tryptamine	Dimethyltryptamine
NYLFJ8	Tryptamine	DiMethylTryptamine (DMT)
PU9HHL	Tryptamine	N, N-Dimethyltryptamine
Q7WJEY	Tryptamine	Dimethyltryptamine
QDYPX9	Tryptamine	Dimethyltryptamine
QYCFC3	Tryptamine	Dimethyltryptamine
R23CPH	Synthetic substance(s) detected/identified	N,N-Dimethyltryptamine (DMT)
R3DDBG	Tryptamine	N,N-DIMETHYLTRYPTAMINE
RBN6PY	Tryptamine	dimethyltryptamine
RH89W2	Tryptamine	N,N-Dimethyltryptamine
RUJ438	Tryptamine	Dimethyltryptamine
TDQTTA	Tryptamine	N,N-Dimethyltryptamine
UQAY4F	Synthetic substance(s) detected/identified	N,N-Dimethyltryptamine (DMT)
VBYF8A	Synthetic substance(s) detected/identified	Dimethyltryptamine
VZVT2B	Tryptamine	DMT
W3Y9PR	Tryptamine	N,N-Dimethyltryptamine
X3TJC3	Tryptamine	N,N-Dimethyltryptamine
XA9YNP	Tryptamine	dimethyltryptamine (DMT)
XL63V4	Tryptamine	DMT
Y3RF9V	Tryptamine	N,N-Dimethyltryptamine
YFFLAU	Tryptamine	Dimethyltryptamine (DMT)
YNBP7M	Synthetic substance(s) detected/identified	N,N-Dimethyltryptamine (DMT)
YV6VYN	Synthetic substance(s) detected/identified	N,N-Dimethyltryptamine
ZMCWPU	Tryptamine	Dimethyltryptamine (DMT)

Response Summary - Item 1		Participants: 94
Synthetic Drug Group Detected:	Tryptamine:	79
	Synthetic substance(s) detected/identified:	15
	No synthetic substance(s) detected/identified:	0
	Other:	0
Synthetic Drug Detected:	N,N-Dimethyltryptamine (DMT):	94
	Other:	0

Examination Methods (Item 1)

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	Crystal	TLC	LC/MS	Raman	GC/MS	Micro	Other
24AG39			✓							✓		Electronic balance
28AQ4R	✓									✓		
29P4HY	✓	✓								✓		
2EW8HT	✓									✓		
2J9NXP		✓			✓					✓		
33DNKV	✓									✓		
362ZJZ										✓		
3U32WZ	✓									✓		
3YDECE				✓			✓			✓		Electronic balance
4DR3Z3	✓	✓								✓		
4L4N3X										✓		NMR
4L7NA7			✓				✓			✓		
6CEM9M		✓			✓					✓		
6KNYLJ		✓			✓					✓		
6ZL7GZ	✓	✓			✓							
74V8XJ		✓								✓		
79CGH3	✓									✓		
7D3KVJ	✓									✓		
7GLDBT		✓								✓		
7LJYZA			✓	✓						✓		
7MQCKW	✓									✓		
7PFH6U	✓									✓		
83YPEZ		✓							✓	✓		
87GD4L		✓								✓		
8DZFCN										✓		
8J87EU					✓					✓		
8KGTWL	✓	✓								✓		
8LVHDY	✓									✓		
8MN7HT	✓									✓		
8UNWDY	✓									✓		
8WWG98	✓				✓					✓		
9AJ4YK	✓									✓		
9HTGXF	✓				✓					✓		
ABLX33		✓								✓		
AE882M	✓									✓		
AMJT4J		✓								✓		
BEH9ML										✓		

TABLE 1b - Item 1 Examination Methods

WebCode	Color	FTIR	LC	UV	GC	Crystal	TLC	LC/MS	Raman	GC/MS	Micro	Other
BL64L6		✓								✓		LC/TOF-MS, GCIR
BT7DVH	✓									✓		
CLDVP7				✓						✓		Electronic balance and/or mechanical scale
CWGBVX										✓		
CXAWBM										✓		Visual Examination, Weight
CY2X9X				✓						✓		
D97UKM	✓									✓		
DBCPBX				✓						✓		Electronic Balance
DEEV7Q										✓		
DPWAT7										✓		
DZTBEM	✓									✓		TruNarc
EU34M2								✓		✓		GC-IR
EWRMBK	✓	✓								✓		
FDR4R4										✓		
FKVBPE		✓								✓		
FRWZ9D	✓									✓		
FYA7Q9										✓		
GB3VFB	✓									✓		
GE37D2	✓									✓		
GPLE3V			✓	✓			✓			✓		Electronic balance and/or mechanical scale
GXFVW			✓							✓		
HVP7ZE	✓									✓		
HY6BHM	✓	✓								✓		
JQPGWC		✓								✓		
JV3UKJ	✓									✓		
KCKHLK	✓									✓		
KGYQUX				✓			✓			✓		Electronic balance
KPAHE9	✓									✓		
M2UXUJ	✓									✓		
M84UZE					✓					✓		
MAM7EB										✓		
MWLZD6	✓							✓		✓		
N2DC24		✓								✓		
NXQXFK				✓			✓			✓		
NYLFJ8										✓		

TABLE 1b - Item 1 Examination Methods

WebCode	Color	FTIR	LC	UV	GC	Crystal	TLC	LC/MS	Raman	GC/MS	Micro	Other
PU9HHL	✓									✓		
Q7WJEY	✓	✓								✓	✓	GC-IR
QDYPX9	✓									✓		
QYCFC3		✓								✓		
R23CPH	✓									✓		
R3DDBG										✓		
RBN6PY	✓				✓					✓		
RH89W2					✓					✓		
RUJ438	✓									✓		
TDQTTA										✓		
UQAY4F	✓									✓		
VBYF8A										✓		Retention time match
VZVT2B	✓		✓	✓						✓		
W3Y9PR		✓			✓					✓		
X3TJC3					✓					✓		
XA9YNP	✓				✓					✓		
XL63V4	✓									✓		
Y3RF9V	✓									✓		
YFFLAU	✓									✓		
YNBP7M	✓									✓		
YV6VYN		✓		✓	✓					✓		
ZMCWPU	✓							✓				

Response Summary											Total Participants: 94	
	Color	FTIR	LC	UV	GC	Crystal	TLC	LC/MS	Raman	GC/MS	Micro	
Participants	47	23	6	10	14	0	5	3	1	92	1	
Percent	50%	24%	6%	11%	15%	0%	5%	3%	1%	98%	1%	

Synthetic Drug Analysis (Item 2)

TABLE 2a - Item 2 Results
Item Contents: No Synthetic Substance: N/A

WebCode	Synthetic Drug Group Detected	Synthetic Drug Detected
24AG39	No synthetic drug group or synthetic drug was detected or identified in this item.	
28AQ4R	No synthetic drug group or synthetic drug was detected or identified in this item.	
29P4HY	No synthetic drug group or synthetic drug was detected or identified in this item.	
2EW8HT	No synthetic drug group or synthetic drug was detected or identified in this item.	
2J9NXP	No synthetic drug group or synthetic drug was detected or identified in this item.	
33DNKV	No synthetic drug group or synthetic drug was detected or identified in this item.	
362ZJZ	No synthetic drug group or synthetic drug was detected or identified in this item.	
3U32WZ	No synthetic drug group or synthetic drug was detected or identified in this item.	
3YDECE	No synthetic drug group or synthetic drug was detected or identified in this item.	
4DR3Z3	No synthetic drug group or synthetic drug was detected or identified in this item.	
4L4N3X	No synthetic drug group or synthetic drug was detected or identified in this item.	
4L7NA7	No synthetic drug group or synthetic drug was detected or identified in this item.	
6CEM9M	No synthetic drug group or synthetic drug was detected or identified in this item.	
6KNYLJ	No synthetic drug group or synthetic drug was detected or identified in this item.	
6ZL7GZ	No synthetic drug group or synthetic drug was detected or identified in this item.	
74V8XJ	No synthetic drug group or synthetic drug was detected or identified in this item.	
79CGH3	No synthetic drug group or synthetic drug was detected or identified in this item.	
7D3KVJ	No synthetic drug group or synthetic drug was detected or identified in this item.	
7GLDBT	No synthetic drug group or synthetic drug was detected or identified in this item.	
7LJYZA	No synthetic drug group or synthetic drug was detected or identified in this item.	
7MQCKW	No synthetic drug group or synthetic drug was detected or identified in this item.	
7PFH6U	No synthetic drug group or synthetic drug was detected or identified in this item.	
83YPEZ	No synthetic drug group or synthetic drug was detected or identified in this item.	
87GD4L	No synthetic drug group or synthetic drug was detected or identified in this item.	
8DZFCN	No synthetic drug group or synthetic drug was detected or identified in this item.	
8J87EU	No synthetic drug group or synthetic drug was detected or identified in this item.	
8KGTWL	No synthetic drug group or synthetic drug was detected or identified in this item.	
8LVHDY	No synthetic drug group or synthetic drug was detected or identified in this item.	
8MN7HT	No synthetic drug group or synthetic drug was detected or identified in this item.	
8UNWDY	No synthetic drug group or synthetic drug was detected or identified in this item.	
8WWG98	No synthetic drug group or synthetic drug was detected or identified in this item.	
9AJ4YK	No synthetic drug group or synthetic drug was detected or identified in this item.	
9HTGXF	No synthetic drug group or synthetic drug was detected or identified in this item.	
ABLX33	No synthetic drug group or synthetic drug was detected or identified in this item.	

TABLE 2a - Item 2 Results
 Item Contents: No Synthetic Substance: N/A

WebCode	Synthetic Drug Group Detected	Synthetic Drug Detected
AE882M	No synthetic drug group or synthetic drug was detected or identified in this item.	
AMJT4J	No synthetic drug group or synthetic drug was detected or identified in this item.	
BEH9ML	No synthetic drug group or synthetic drug was detected or identified in this item.	
BL64L6	No synthetic drug group or synthetic drug was detected or identified in this item.	
BT7DVH	No synthetic drug group or synthetic drug was detected or identified in this item.	
CLDVP7	No synthetic drug group or synthetic drug was detected or identified in this item.	
CWGBVX	No synthetic drug group or synthetic drug was detected or identified in this item.	
CXAWBM	No synthetic drug group or synthetic drug was detected or identified in this item.	
CY2X9X	No synthetic drug group or synthetic drug was detected or identified in this item.	
D97UKM	No synthetic drug group or synthetic drug was detected or identified in this item.	
DBC PBX	No synthetic drug group or synthetic drug was detected or identified in this item.	
DEEV7Q	No synthetic drug group or synthetic drug was detected or identified in this item.	
DPWAT7	No synthetic drug group or synthetic drug was detected or identified in this item.	
DZTBEM	No synthetic drug group or synthetic drug was detected or identified in this item.	
EU34M2	No synthetic drug group or synthetic drug was detected or identified in this item.	
EWRMBK	No synthetic drug group or synthetic drug was detected or identified in this item.	
FDR4R4	No synthetic drug group or synthetic drug was detected or identified in this item.	
FKVBPE	No synthetic drug group or synthetic drug was detected or identified in this item.	
FRWZ9D	No synthetic drug group or synthetic drug was detected or identified in this item.	
FYA7Q9	No synthetic drug group or synthetic drug was detected or identified in this item.	
GB3VFB	No synthetic drug group or synthetic drug was detected or identified in this item.	
GE37D2	No synthetic drug group or synthetic drug was detected or identified in this item.	
GPLE3V	No synthetic drug group or synthetic drug was detected or identified in this item.	
GXFVW	No synthetic drug group or synthetic drug was detected or identified in this item.	
HVP7ZE	No synthetic drug group or synthetic drug was detected or identified in this item.	
HY6BHM	No synthetic drug group or synthetic drug was detected or identified in this item.	
JQPGWC	No synthetic drug group or synthetic drug was detected or identified in this item.	
JV3UKJ	No synthetic drug group or synthetic drug was detected or identified in this item.	
KCKHLK	No synthetic drug group or synthetic drug was detected or identified in this item.	
KG YQUX	No synthetic drug group or synthetic drug was detected or identified in this item.	
KPAHE9	No synthetic drug group or synthetic drug was detected or identified in this item.	
M2UXUJ	No synthetic drug group or synthetic drug was detected or identified in this item.	
M84UZE	No synthetic drug group or synthetic drug was detected or identified in this item.	
MAM7EB	No synthetic drug group or synthetic drug was detected or identified in this item.	
MWLZD6	No synthetic drug group or synthetic drug was detected or identified in this item.	

TABLE 2a - Item 2 Results
Item Contents: No Synthetic Substance: N/A

WebCode	Synthetic Drug Group Detected	Synthetic Drug Detected
N2DC24	No synthetic drug group or synthetic drug was detected or identified in this item.	
NXQXFK	No synthetic drug group or synthetic drug was detected or identified in this item.	
NYLFJ8	No synthetic drug group or synthetic drug was detected or identified in this item.	
PU9HHL	No synthetic drug group or synthetic drug was detected or identified in this item.	
Q7WJFY	No synthetic drug group or synthetic drug was detected or identified in this item.	
QDYPX9	No synthetic drug group or synthetic drug was detected or identified in this item.	
QYCFC3	No synthetic drug group or synthetic drug was detected or identified in this item.	
R23CPH	No synthetic drug group or synthetic drug was detected or identified in this item.	
R3DDBG	No synthetic drug group or synthetic drug was detected or identified in this item.	
RBN6PY	No synthetic drug group or synthetic drug was detected or identified in this item.	
RH89W2	No synthetic drug group or synthetic drug was detected or identified in this item.	
RUJ438	No synthetic drug group or synthetic drug was detected or identified in this item.	
TDQTTA	No synthetic drug group or synthetic drug was detected or identified in this item.	
UQAY4F	No synthetic drug group or synthetic drug was detected or identified in this item.	
VBYF8A	No synthetic drug group or synthetic drug was detected or identified in this item.	
VZVT2B	No synthetic drug group or synthetic drug was detected or identified in this item.	
W3Y9PR	No synthetic drug group or synthetic drug was detected or identified in this item.	
X3TJC3	No synthetic drug group or synthetic drug was detected or identified in this item.	
XA9YNP	No synthetic drug group or synthetic drug was detected or identified in this item.	
XL63V4	No synthetic drug group or synthetic drug was detected or identified in this item.	
Y3RF9V	No synthetic drug group or synthetic drug was detected or identified in this item.	
YFFLAU	No synthetic drug group or synthetic drug was detected or identified in this item.	
YNBP7M	No synthetic drug group or synthetic drug was detected or identified in this item.	
YV6VYN	No synthetic drug group or synthetic drug was detected or identified in this item.	
ZMCWPU	No synthetic drug group or synthetic drug was detected or identified in this item.	

Response Summary - Item 2		Participants: 94
Synthetic Drug Group Detected:	Synthetic substance(s) detected/identified:	0
	No synthetic substance(s) detected/identified:	94
	Other:	0

Examination Methods (Item 2)

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	Crystal	TLC	LC/MS	Raman	GC/MS	Micro	Other
24AG39			✓	✓			✓			✓		Electronic balance
28AQ4R	✓	✓								✓		
29P4HY	✓	✓								✓		
2EW8HT	✓									✓		
2J9NXP		✓								✓		
33DNKV	✓									✓		
362ZJZ										✓		
3U32WZ	✓									✓		
3YDECE			✓	✓			✓			✓		Electronic balance
4DR3Z3	✓	✓				✓						
4L4N3X										✓		NMR
4L7NA7			✓				✓			✓		
6CEM9M		✓				✓				✓		
6KNYLJ						✓				✓		
6ZL7GZ	✓	✓				✓						
74V8XJ		✓								✓		
79CGH3	✓									✓		
7D3KVJ	✓									✓		
7GLDBT		✓								✓		
7LJYZA			✓							✓		
7MQCKW	✓	✓								✓		
7PFH6U	✓	✓								✓		
83YPEZ		✓								✓		
87GD4L		✓								✓		
8DZFCN		✓								✓		
8J87EU	✓									✓		
8KGTWL	✓	✓								✓		
8LVHDY	✓									✓		
8MN7HT	✓									✓		
8UNWDY	✓									✓		
8WWG98	✓					✓						
9AJ4YK	✓	✓								✓		
9HTGXF	✓					✓						
ABLX33		✓								✓		
AE882M	✓									✓		
AMJT4J		✓								✓		
BEH9ML	✓									✓		

TABLE 2b - Item 2 Examination Methods

WebCode	Color	FTIR	LC	UV	GC	Crystal	TLC	LC/MS	Raman	GC/MS	Micro	Other
BL64L6		✓								✓		LC/TOF-MS
BT7DVH	✓									✓		
CLDVP7							✓			✓		HPLC, Electronic balance and/or mechanical scale
CWGBVX										✓		
CXAWBM										✓		Visual Examination, Weight
CY2X9X				✓			✓					
D97UKM	✓									✓		
DBCPBX			✓	✓						✓		Electronic Balance
DEEV7Q										✓		
DPWAT7										✓		
DZTBEM	✓									✓		TruNarc
EU34M2								✓		✓		
EWRMBK	✓	✓								✓		
FDR4R4										✓		
FKVBPE		✓								✓		
FRWZ9D	✓									✓		
FYA7Q9		✓								✓		
GB3VFB	✓									✓		
GE37D2	✓									✓		
GPLE3V			✓	✓			✓			✓		Electronic balance and/or mechanical scale
GXFKWV			✓							✓		
HVP7ZE	✓									✓		
HY6BHM	✓	✓								✓		
JQPGWC		✓								✓		
JV3UKJ	✓									✓		
KCKHLK	✓									✓		
KGYQUX			✓	✓			✓			✓		Electronic Balance
KPAHE9	✓									✓		
M2UXUJ	✓									✓		
M84UZE	✓				✓					✓		
MAM7EB										✓		
MWLZD6	✓	✓						✓		✓		
N2DC24		✓								✓		
NXQXFK			✓				✓			✓		
NYLFJ8		✓								✓		

TABLE 2b - Item 2 Examination Methods

WebCode	Color	FTIR	LC	UV	GC	Crystal	TLC	LC/MS	Raman	GC/MS	Micro	Other
PU9HHL	✓									✓		
Q7WJEY	✓	✓								✓	✓	
QDYPX9	✓	✓								✓		
QYCFC3		✓								✓		
R23CPH	✓									✓		
R3DDBG										✓		
RBN6PY	✓	✓								✓		
RH89W2					✓					✓		
RUJ438	✓									✓		
TDQTTA										✓		
UQAY4F	✓									✓		
VBYF8A										✓		
VZVT2B	✓		✓	✓						✓		
W3Y9PR		✓								✓		
X3TJC3					✓					✓		
XA9YNP	✓				✓					✓		
XL63V4	✓									✓		
Y3RF9V	✓									✓		
YFFLAU	✓									✓		
YNBP7M	✓									✓		
YV6VYN	✓	✓		✓	✓					✓		
ZMCWPU	✓							✓				

Response Summary											Total Participants: 94
	Color	FTIR	LC	UV	GC	Crystal	TLC	LC/MS	Raman	GC/MS	Micro
Participants	51	32	10	8	11	0	8	3	0	88	1
Percent	54%	34%	11%	9%	12%	0%	9%	3%	0%	94%	1%

Additional Comments

TABLE 3

WebCode	Additional Comments
29P4HY	Item 1 - indications of flour. Item 2 - indications of flour.
4DR3Z3	Item 2 - appears to be a starch like substance.
6ZL7GZ	Both items contained a starch.
EWRMBK	Item 1 - DMT indicated from GC-MS screen (ran with standard). Unable to confirm DMT using TFA derivatization as it is a tertiary amine. The powder was reported as indicated to contain DMT (N,N-dimethyltryptamine).
MWLZD6	Starch has been identified as a component of Item 2.
Q7WJEY	Item 2: contains starch
QYCF3	Additional compound found in both samples that cannot be formally identified in the absence of certified reference material, however the analytical results support the view that the compound is starch which is not controlled under the [Country Legislative Act] as amended.
RH89W2	The reporting for N,N-Dimethyltryptamine at my lab is Dimethyltryptamine. No substance was detected in Item 2.
TDQTTA	[From Table 1a - Item 1 Results: "Psychotropic Schedule 1: Tryptamine; N,N-Dimethyltryptamine psychedelics."]
VZVT2B	We found starch in Item 2.
XL63V4	Although DMT is classified as synthetic substance, it can also be found in nature.
YV6VYN	Item 2 Corn Starch

-End of Report-
(Appendix may follow)

Test No. 23-5041: Synthetic Drug Analysis

DATA MUST BE SUBMITTED BY **Sept. 25, 2023, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: Y6DF7Q

The Accreditation Release section can be accessed by using the "Continue to Final Submission" button above. This information can be entered at any time prior to submitting to CTS.

Scenario:

An investigator has submitted two questioned samples for analysis, both of which appear to be a powdered substance. Please examine the samples and determine if any synthetic drugs are present.

Items Submitted (Sample Pack SDA):

Item 1: First powdered substance

Item 2: Second powdered substance

1a.) Is a synthetic substance present in Item 1? If yes, report the substance.

No synthetic substance detected/identified

Synthetic Substance(s) detected/identified (please list below).

Following your lab's protocols, list the synthetic drug group and/or synthetic drug present in the sample.

Synthetic drug group
(e.g. cathinones)

Synthetic drug
(e.g. dibutylone)

1b.) What methods were used to examine Item 1?

(If color and/or crystal tests are used, please simply check the appropriate method below. Specific color and crystal tests will not be listed in the summary report.)

Color Tests

FTIR

LC

UV

GC

Crystal Tests

TLC

LC/MS

Raman

GC/MS

Microscopic

Other (specify):

2a.) Is a synthetic substance present in Item 2? If yes, report the substance.

- No synthetic substance detected/identified
- Synthetic Substance(s) detected/identified (please list below).
Following your lab's protocols, list the synthetic drug group and/or synthetic drug present in the sample.

Synthetic drug group
(e.g. cathinones)

Synthetic drug
(e.g. dibutylone)

2b.) What methods were used to examine Item 2?

(If color and/or crystal tests are used, please simply check the appropriate method below. Specific color and crystal tests will not be listed in the summary report.)

- Color Tests FTIR LC UV GC
Crystal Tests TLC LC/MS Raman GC/MS
Microscopic

Other (specify):

3.) Additional Comments

Please note: Any additional formatting applied in the free form space below will not transfer to the Summary Report and may cause your information to be illegible. This includes additional spacing and returns that present your responses in lists and tabular formats.

RELEASE OF DATA TO ACCREDITATION BODIES

The Accreditation Release is accessed by pressing the "Continue to Final Submission" button online and can be completed at any time prior to submission to CTS.

CTS submits external proficiency test data directly to ASCLD/LAB, ANAB, and/or A2LA. Please select one of the following statements to ensure your data is handled appropriately.

- This participant's data is intended for submission to ASCLD/LAB, ANAB, and/or A2LA. (Accreditation Release section below must be completed.)
- This participant's data is **not** intended for submission to ASCLD/LAB, ANAB, and/or A2LA.

Have the laboratory's designated individual complete the following steps only if your laboratory is accredited in this testing/calibration discipline by one or more of the following Accreditation Bodies.

Step 1: Provide the applicable Accreditation Certificate Number(s) for your laboratory.

ANAB Certificate No.
(Include ASCLD/LAB Certificate here)

A2LA Certificate No.

Step 2: Complete the Laboratory Identifying Information in its entirety.

Authorized Contact Person and Title

Laboratory Name

Location (City/State)