



## **Drug Analysis**

# **Test No. 20-5001 Summary Report**

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Each sample pack consisted of two questioned samples containing powder substances, which participants were requested to analyze. Data were returned from 620 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 300 mg of powder consisting of lactose monohydrate. Item 2 contained 300 mg of powder consisting of approximately 10% Morphine Sulfate and 90% corn starch. Morphine Sulfate is a Schedule II controlled substance in the United States.

### SAMPLE PREPARATION-

The lactose monohydrate in Item 1 was a pure powder. The morphine sulfate in Item 2 was a pure powder that was combined with corn starch. These two powders were mixed thoroughly to ensure homogeneity.

ITEM 1 (PREPARATION): Approximately 300 mg of the lactose monohydrate powder 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 300 mg of the powder containing morphine sulfate and corn starch 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 was 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: color tests, FTIR, GC, UV, and GC/MS.

## **Summary Comments**

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This test was designed to allow participants to assess their proficiency in the qualitative analysis of questioned samples that may contain controlled substances. Item 1 contained a powder consisting of lactose monohydrate. Item 2 contained a powder consisting of corn starch and approximately 10% morphine sulfate. In the United States, morphine in this concentration is a Schedule II controlled substance (See Manufacturer's Information for preparation details).

All 620 participants reported that no controlled substance was identified in Item 1. Many participants reported in their additional comments that lactose was found in Item 1. For Item 2, 617 of 620 participants (99.5%) reported morphine. One participant reported finding codeine. Another participant reported "Controlled substance(s) detected/identified" but did not specify what was found. One participant reported "No controlled substance detected/identified".

The most common examination methods reported for both items include GC/MS, color tests, and FTIR.

# Drug Analysis (Item 1)

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
22KPR7	No controlled substance detected/identified	3R7H7M	No controlled substance detected/identified
23WCEQ	No controlled substance detected/identified	3RJZYT	No controlled substance detected/identified
26FK9J	No controlled substance detected/identified	3RK4EP	No controlled substance detected/identified
27A74W	No controlled substance detected/identified	3RLP7C	No controlled substance detected/identified
28MXWD	No controlled substance detected/identified	3RP7Q3	No controlled substance detected/identified
2A9U2K	No controlled substance detected/identified	3V7T3L	No controlled substance detected/identified
2ADWCW	No controlled substance detected/identified	3WPX37	No controlled substance detected/identified
2ATCNC	No controlled substance detected/identified	3XTC4K	No controlled substance detected/identified
2BHZHE	No controlled substance detected/identified	3XYHRA	No controlled substance detected/identified
2BZTG4	No controlled substance detected/identified	3Y6YLL	No controlled substance detected/identified
2CJDUZ	No controlled substance detected/identified	3Y7WTB	No controlled substance detected/identified
2DW88F	No controlled substance detected/identified	42BMY3	No controlled substance detected/identified
2EH4CM	No controlled substance detected/identified	42F2C4	No controlled substance detected/identified
2EVJPA	No controlled substance detected/identified	46J4V8	No controlled substance detected/identified
2J24T2	No controlled substance detected/identified	48EJMW	No controlled substance detected/identified
2JR94M	No controlled substance detected/identified	49NTD9	No controlled substance detected/identified
2KRCYV	No controlled substance detected/identified	4CN462	No controlled substance detected/identified
2YNN4F	No controlled substance detected/identified	4EE24U	No controlled substance detected/identified
32P6M4	No controlled substance detected/identified	4FMHRR	No controlled substance detected/identified
32V77V	No controlled substance detected/identified	4G738A	No controlled substance detected/identified
3368NB	No controlled substance detected/identified	4GN6NH	No controlled substance detected/identified
3AMJ4W	No controlled substance detected/identified	4KJWVU	No controlled substance detected/identified
3AP7NU	No controlled substance detected/identified	4KP2HJ	No controlled substance detected/identified
3CUQHV	No controlled substance detected/identified	4LBXMQ	No controlled substance detected/identified
3GQJMC	No controlled substance detected/identified	4N4WUU	No controlled substance detected/identified
3HL7YF	No controlled substance detected/identified	4NLU88	No controlled substance detected/identified
3K4EVU	No controlled substance detected/identified	4PERDT	No controlled substance detected/identified
3N3JWG	No controlled substance detected/identified	4RGTDQ	No controlled substance detected/identified
3PY8AJ	No controlled substance detected/identified	4TJ8CK	No controlled substance detected/identified
3R4MLH	No controlled substance detected/identified	4V46EG	No controlled substance detected/identified

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
4XRP8T	No controlled substance detected/identified	7QNHNA	No controlled substance detected/identified
4ZE99Q	No controlled substance detected/identified	7VTF3E	No controlled substance detected/identified
628L82	No controlled substance detected/identified	7X3BTZ	No controlled substance detected/identified
6A68KV	No controlled substance detected/identified	828K7L	No controlled substance detected/identified
6BVFPQ	No controlled substance detected/identified	82XDJL	No controlled substance detected/identified
6DWFM4	No controlled substance detected/identified	86J9YC	No controlled substance detected/identified
6F3XKY	No controlled substance detected/identified	87NR22	No controlled substance detected/identified
6J4X7P	No controlled substance detected/identified	89FWDX	No controlled substance detected/identified
6JZKAG	No controlled substance detected/identified	89RNC4	No controlled substance detected/identified
6LGCXH	No controlled substance detected/identified	8ARHCM	No controlled substance detected/identified
6MBA2J	No controlled substance detected/identified	8G7FUE	No controlled substance detected/identified
6MN4DD	No controlled substance detected/identified	8J2Y47	No controlled substance detected/identified
6MVCAD	No controlled substance detected/identified	8KR83A	No controlled substance detected/identified
6NW77P	No controlled substance detected/identified	8KUW87	No controlled substance detected/identified
6PYWHD	No controlled substance detected/identified	8MXW2C	No controlled substance detected/identified
6X7D8X	No controlled substance detected/identified	8NB8EH	No controlled substance detected/identified
6XXNNF	No controlled substance detected/identified	8NRHWN	No controlled substance detected/identified
6Y2YZP	No controlled substance detected/identified	8PGN8A	No controlled substance detected/identified
6YGFTW	No controlled substance detected/identified	8PKGXU	No controlled substance detected/identified
6YLPYB	No controlled substance detected/identified	8PMUZ4	No controlled substance detected/identified
76FDNF	No controlled substance detected/identified	8RVA6N	No controlled substance detected/identified
77FAK4	No controlled substance detected/identified	8WCVH3	No controlled substance detected/identified
788HBL	No controlled substance detected/identified	8WKNRA	No controlled substance detected/identified
78VJKV	No controlled substance detected/identified	8XWFPK	No controlled substance detected/identified
7BB4GJ	No controlled substance detected/identified	8Y7J64	No controlled substance detected/identified
7BVVfV	No controlled substance detected/identified	8Z7BQP	No controlled substance detected/identified
7EAE6	No controlled substance detected/identified	92C9DQ	No controlled substance detected/identified
7F2N4M	No controlled substance detected/identified	93AEZQ	No controlled substance detected/identified
7HAGPZ	No controlled substance detected/identified	963Q34	No controlled substance detected/identified
7JCRLN	No controlled substance detected/identified	97PXWE	No controlled substance detected/identified
7LKPBY	No controlled substance detected/identified	99X72T	No controlled substance detected/identified

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
9AK27Z	No controlled substance detected/identified	AKFDCL	No controlled substance detected/identified
9AQ8UP	No controlled substance detected/identified	ALH8XP	No controlled substance detected/identified
9BLH66	No controlled substance detected/identified	ANPHXZ	No controlled substance detected/identified
9GAB2R	No controlled substance detected/identified	ARGP9H	No controlled substance detected/identified
9HYLRK	No controlled substance detected/identified	AUBKU4	No controlled substance detected/identified
9JU8JQ	No controlled substance detected/identified	AUC9HA	No controlled substance detected/identified
9KJQT3	No controlled substance detected/identified	AVL3FV	No controlled substance detected/identified
9LDFDJ	No controlled substance detected/identified	AVX7DF	No controlled substance detected/identified
9ME2JA	No controlled substance detected/identified	AY3MZP	No controlled substance detected/identified
9NAL7A	No controlled substance detected/identified	B2KAYH	No controlled substance detected/identified
9NQW73	No controlled substance detected/identified	B2PJ6W	No controlled substance detected/identified
9PB23Z	No controlled substance detected/identified	B7KBJX	No controlled substance detected/identified
9RBTPL	No controlled substance detected/identified	B94K7Q	No controlled substance detected/identified
9W8CVQ	No controlled substance detected/identified	B9BDNL	No controlled substance detected/identified
9X7V3K	No controlled substance detected/identified	BAF3KN	No controlled substance detected/identified
9Z6XJM	No controlled substance detected/identified	BGXXXB	No controlled substance detected/identified
A33NAL	No controlled substance detected/identified	BGZA39	No controlled substance detected/identified
A4K7MY	No controlled substance detected/identified	BJYRTA	No controlled substance detected/identified
A4WG3W	No controlled substance detected/identified	BK3YW3	No controlled substance detected/identified
A4XAUZ	No controlled substance detected/identified	BKLYL8	No controlled substance detected/identified
A6DH3D	No controlled substance detected/identified	BMFY9W	No controlled substance detected/identified
A9B4QA	No controlled substance detected/identified	BQ8UCH	No controlled substance detected/identified
A9CRDF	No controlled substance detected/identified	BRL8CL	No controlled substance detected/identified
AAE6DF	No controlled substance detected/identified	BRRAY7	No controlled substance detected/identified
AAMUYE	No controlled substance detected/identified	BTAUKF	No controlled substance detected/identified
AB39DF	No controlled substance detected/identified	BVGFWA	No controlled substance detected/identified
ABAQ4L	No controlled substance detected/identified	BZT97L	No controlled substance detected/identified
ABV7GF	No controlled substance detected/identified	BZUXGA	No controlled substance detected/identified
AEV2T	No controlled substance detected/identified	BZYDUB	No controlled substance detected/identified
AG3NZ3	No controlled substance detected/identified	C2JMEV	No controlled substance detected/identified
AHQ37Z	No controlled substance detected/identified	C4P86G	No controlled substance detected/identified

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
C6797X	No controlled substance detected/identified	DR4J9H	No controlled substance detected/identified
C6G8WM	No controlled substance detected/identified	DR69FZ	No controlled substance detected/identified
C6MGWD	No controlled substance detected/identified	DRC89N	No controlled substance detected/identified
C9J4QN	No controlled substance detected/identified	DTPQ6E	No controlled substance detected/identified
C9WQTB	No controlled substance detected/identified	DVBP4U	No controlled substance detected/identified
CAL2J4	No controlled substance detected/identified	DW7KW	No controlled substance detected/identified
CANP8A	No controlled substance detected/identified	DX3LTN	No controlled substance detected/identified
CDZDYY	No controlled substance detected/identified	DXUTHF	No controlled substance detected/identified
CEQDFH	No controlled substance detected/identified	DZGHTL	No controlled substance detected/identified
CFZJER	No controlled substance detected/identified	E28WYB	No controlled substance detected/identified
CGD9JP	No controlled substance detected/identified	E2XYPC	No controlled substance detected/identified
CGV66B	No controlled substance detected/identified	E8JR2C	No controlled substance detected/identified
CH9WZD	No controlled substance detected/identified	EA6N6J	No controlled substance detected/identified
CHXEK8	No controlled substance detected/identified	EACGPY	No controlled substance detected/identified
CLQ9NG	No controlled substance detected/identified	EARZAW	No controlled substance detected/identified
CMXAXG	No controlled substance detected/identified	EBH7KH	No controlled substance detected/identified
CNHVUQ	No controlled substance detected/identified	ECACPF	No controlled substance detected/identified
CPHEYY	No controlled substance detected/identified	ECH2FK	No controlled substance detected/identified
CQLQB9	No controlled substance detected/identified	ECVQJW	No controlled substance detected/identified
CQQ7PU	No controlled substance detected/identified	ED7MXA	No controlled substance detected/identified
CVTAAL	No controlled substance detected/identified	EE4XTC	No controlled substance detected/identified
CW2KXR	No controlled substance detected/identified	EEJ8MZ	No controlled substance detected/identified
CXL6ZG	No controlled substance detected/identified	EEXMPF	No controlled substance detected/identified
DCMK2W	No controlled substance detected/identified	ER8EJE	No controlled substance detected/identified
DDBH7V	No controlled substance detected/identified	ERLPDD	No controlled substance detected/identified
DE92W4	No controlled substance detected/identified	EVHDMU	No controlled substance detected/identified
DHNKTR	No controlled substance detected/identified	EWRH34	No controlled substance detected/identified
DKTV3A	No controlled substance detected/identified	EX23R8	No controlled substance detected/identified
DM7Y6Y	No controlled substance detected/identified	EX9L4B	No controlled substance detected/identified
DNDTLX	No controlled substance detected/identified	EZXUBQ	No controlled substance detected/identified
DNM376	No controlled substance detected/identified	F2TURF	No controlled substance detected/identified

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
F4Y63X	No controlled substance detected/identified	GGC97R	No controlled substance detected/identified
F7K62D	No controlled substance detected/identified	GGY9QB	No controlled substance detected/identified
F8C6W4	No controlled substance detected/identified	GKK8XR	No controlled substance detected/identified
F9B3ED	No controlled substance detected/identified	GLPQ2F	No controlled substance detected/identified
F9NYFC	No controlled substance detected/identified	GU22VT	No controlled substance detected/identified
FA44DM	No controlled substance detected/identified	GV4DFP	No controlled substance detected/identified
FAJBJR	No controlled substance detected/identified	GWBWWX	No controlled substance detected/identified
FC4FKA	No controlled substance detected/identified	GWQ6U2	No controlled substance detected/identified
FC7WAT	No controlled substance detected/identified	GXAX8V	No controlled substance detected/identified
FEFZ4H	No controlled substance detected/identified	GZNL8V	No controlled substance detected/identified
FETQTF	No controlled substance detected/identified	H677YF	No controlled substance detected/identified
FFV4VN	No controlled substance detected/identified	H69AVX	No controlled substance detected/identified
FHE38X	No controlled substance detected/identified	H6M77C	No controlled substance detected/identified
FJBMRC	No controlled substance detected/identified	H7EFM7	No controlled substance detected/identified
FMVJLW	No controlled substance detected/identified	H7HUK2	No controlled substance detected/identified
FNNE86	No controlled substance detected/identified	H8A3BJ	No controlled substance detected/identified
FNP6G9	No controlled substance detected/identified	H8P7YG	No controlled substance detected/identified
FNXWAB	No controlled substance detected/identified	H94QP8	No controlled substance detected/identified
FQT3PF	No controlled substance detected/identified	H9FPKG	No controlled substance detected/identified
FV2M42	No controlled substance detected/identified	H9NEBL	No controlled substance detected/identified
FVYUF2	No controlled substance detected/identified	HB8BV7	No controlled substance detected/identified
FXVCV9	No controlled substance detected/identified	HDXLLY	No controlled substance detected/identified
FYG9ZF	No controlled substance detected/identified	HECYE3	No controlled substance detected/identified
G28JUR	No controlled substance detected/identified	HGAP3F	No controlled substance detected/identified
G2NH4J	No controlled substance detected/identified	HHBD2R	No controlled substance detected/identified
G4BCM6	No controlled substance detected/identified	HJ7ZEV	No controlled substance detected/identified
G6KCD8	No controlled substance detected/identified	HKWYRU	No controlled substance detected/identified
G96DLY	No controlled substance detected/identified	HM9UEL	No controlled substance detected/identified
GB7DJC	No controlled substance detected/identified	HVQQKE	No controlled substance detected/identified
GDY6W4	No controlled substance detected/identified	HVUCF8	No controlled substance detected/identified
GFJBXL	No controlled substance detected/identified	HWBAZ7	No controlled substance detected/identified



TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
HX2AZ3	No controlled substance detected/identified	KNLD7F	No controlled substance detected/identified
HXGW8J	No controlled substance detected/identified	KP2KPP	No controlled substance detected/identified
HYLF2L	No controlled substance detected/identified	KP8WBZ	No controlled substance detected/identified
J2UW7W	No controlled substance detected/identified	KR8CDW	No controlled substance detected/identified
J6GGDY	No controlled substance detected/identified	KTGATY	No controlled substance detected/identified
J6TCCY	No controlled substance detected/identified	KTZBD3	No controlled substance detected/identified
J6UCBD	No controlled substance detected/identified	KV8BXM	No controlled substance detected/identified
J7XNK2	No controlled substance detected/identified	KY8MUM	No controlled substance detected/identified
J8L4QP	No controlled substance detected/identified	KZ2G7X	No controlled substance detected/identified
JBZUKY	No controlled substance detected/identified	L3LUB9	No controlled substance detected/identified
JD9Z9Y	No controlled substance detected/identified	L3Y9WW	No controlled substance detected/identified
JG8C87	No controlled substance detected/identified	L3ZX6Z	No controlled substance detected/identified
JGX8W2	No controlled substance detected/identified	L6K47H	No controlled substance detected/identified
JJ4J44	No controlled substance detected/identified	L6NQMW	No controlled substance detected/identified
JJQFQX	No controlled substance detected/identified	L76QZW	No controlled substance detected/identified
JL6QVF	No controlled substance detected/identified	L8FMFA	No controlled substance detected/identified
JNB27C	No controlled substance detected/identified	L8H2D4	No controlled substance detected/identified
JNTF3F	No controlled substance detected/identified	L8UY39	No controlled substance detected/identified
JNYFKH	No controlled substance detected/identified	L8XRWM	No controlled substance detected/identified
JWFFHZ	No controlled substance detected/identified	L99GAX	No controlled substance detected/identified
JWRN69	No controlled substance detected/identified	LANQC7	No controlled substance detected/identified
JXY8MG	No controlled substance detected/identified	LCN27K	No controlled substance detected/identified
JYUN2L	No controlled substance detected/identified	LHJJVX	No controlled substance detected/identified
K3KEMN	No controlled substance detected/identified	LJA46B	No controlled substance detected/identified
K6UJZC	No controlled substance detected/identified	LJCG36	No controlled substance detected/identified
K8Y3EK	No controlled substance detected/identified	LPQEER	No controlled substance detected/identified
K9DGZ9	No controlled substance detected/identified	LUD6V2	No controlled substance detected/identified
KED62Z	No controlled substance detected/identified	LUZRWQ	No controlled substance detected/identified
KH27RH	No controlled substance detected/identified	LWFXVR	No controlled substance detected/identified
KJJXXQ	No controlled substance detected/identified	LWHM36	No controlled substance detected/identified
KJV4WH	No controlled substance detected/identified	M3VZ8A	No controlled substance detected/identified

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
M44BNK	No controlled substance detected/identified	P46RBB	No controlled substance detected/identified
MDV2Y	No controlled substance detected/identified	P47RBN	No controlled substance detected/identified
MEDLXB	No controlled substance detected/identified	P4ND96	No controlled substance detected/identified
MF97HP	No controlled substance detected/identified	P4UCKM	No controlled substance detected/identified
MHCWTB	No controlled substance detected/identified	P7C2GY	No controlled substance detected/identified
MMQRFY	No controlled substance detected/identified	P7RBC9	No controlled substance detected/identified
MNVGC4	No controlled substance detected/identified	PABDCY	No controlled substance detected/identified
MPANUE	No controlled substance detected/identified	PB7YZB	No controlled substance detected/identified
MPW49U	No controlled substance detected/identified	PBKQKF	No controlled substance detected/identified
MQ6CD9	No controlled substance detected/identified	PCZMEZ	No controlled substance detected/identified
MRL7EH	No controlled substance detected/identified	PDUM8H	No controlled substance detected/identified
MTPAG6	No controlled substance detected/identified	PE3MMX	No controlled substance detected/identified
MUQ2VZ	No controlled substance detected/identified	PFYZ86	No controlled substance detected/identified
MVCWZ8	No controlled substance detected/identified	PKQCRU	No controlled substance detected/identified
MVGALH	No controlled substance detected/identified	PLR7WT	No controlled substance detected/identified
N4JU9H	No controlled substance detected/identified	PMHB8E	No controlled substance detected/identified
N6UWVG	No controlled substance detected/identified	PNEPXQ	No controlled substance detected/identified
NAPLK2	No controlled substance detected/identified	PQW2D9	No controlled substance detected/identified
NC2ACQ	No controlled substance detected/identified	PTX47Q	No controlled substance detected/identified
NDD37T	No controlled substance detected/identified	PTZRLA	No controlled substance detected/identified
NF6V76	No controlled substance detected/identified	PUUPPA	No controlled substance detected/identified
NFWCKL	No controlled substance detected/identified	PUVFZX	No controlled substance detected/identified
NGNATT	No controlled substance detected/identified	PVCJPW	No controlled substance detected/identified
NJ3HY7	No controlled substance detected/identified	PVW3WP	No controlled substance detected/identified
NMZTXE	No controlled substance detected/identified	PZAUBW	No controlled substance detected/identified
NPGK3N	No controlled substance detected/identified	Q2AGY8	No controlled substance detected/identified
NPZ84Q	No controlled substance detected/identified	Q36BCH	No controlled substance detected/identified
NTCYKL	No controlled substance detected/identified	Q42P3U	No controlled substance detected/identified
NVEXEQ	No controlled substance detected/identified	Q4CKC3	No controlled substance detected/identified
NX474U	No controlled substance detected/identified	Q8KND4	No controlled substance detected/identified
NYP28Z	No controlled substance detected/identified	Q9DMEB	No controlled substance detected/identified

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
QD98X8	No controlled substance detected/identified	RWV83V	No controlled substance detected/identified
QDJG XK	No controlled substance detected/identified	RWX3LY	No controlled substance detected/identified
QE7HUA	No controlled substance detected/identified	RX7AQF	No controlled substance detected/identified
QFGJF9	No controlled substance detected/identified	RXFD4D	No controlled substance detected/identified
QFUVCT	No controlled substance detected/identified	RY8WLK	No controlled substance detected/identified
QG3FKF	No controlled substance detected/identified	T4L9PY	No controlled substance detected/identified
QJD8RA	No controlled substance detected/identified	T4U2XL	No controlled substance detected/identified
QK3LBR	No controlled substance detected/identified	TDDR2L	No controlled substance detected/identified
QKPRYX	No controlled substance detected/identified	TDVJAB	No controlled substance detected/identified
QMBN46	No controlled substance detected/identified	TEDJN8	No controlled substance detected/identified
QRKWCM	No controlled substance detected/identified	TEHG3A	No controlled substance detected/identified
QWW2UN	No controlled substance detected/identified	TGB6PC	No controlled substance detected/identified
QY7QQ8	No controlled substance detected/identified	TGQPAA	No controlled substance detected/identified
QYBBHU	No controlled substance detected/identified	TGYETE	No controlled substance detected/identified
QZHE8C	No controlled substance detected/identified	TGZ644	No controlled substance detected/identified
QZNKV2	No controlled substance detected/identified	TM7ZU3	No controlled substance detected/identified
QZZFU2	No controlled substance detected/identified	TM8Q2L	No controlled substance detected/identified
RC3PFN	No controlled substance detected/identified	TMZP2R	No controlled substance detected/identified
RCB928	No controlled substance detected/identified	TPD7F4	No controlled substance detected/identified
RCNX3Y	No controlled substance detected/identified	TPUBW6	No controlled substance detected/identified
RDPKYP	No controlled substance detected/identified	TV6ATG	No controlled substance detected/identified
RDVD3P	No controlled substance detected/identified	TWMNGC	No controlled substance detected/identified
REQZNU	No controlled substance detected/identified	TX36RW	No controlled substance detected/identified
RFWZ9G	No controlled substance detected/identified	TY4RNN	No controlled substance detected/identified
RGNYME	No controlled substance detected/identified	U4G9ZJ	No controlled substance detected/identified
RKMGHL	No controlled substance detected/identified	U4RRHA	No controlled substance detected/identified
RLF GKQ	No controlled substance detected/identified	U64FUU	No controlled substance detected/identified
RNPBKW	No controlled substance detected/identified	U6BUVW	No controlled substance detected/identified
RPGBFM	No controlled substance detected/identified	U6ZTF2	No controlled substance detected/identified
RPXMZD	No controlled substance detected/identified	U84WRB	No controlled substance detected/identified
RQL8BC	No controlled substance detected/identified	U9H9RE	No controlled substance detected/identified

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
UAWKED	No controlled substance detected/identified	VKL38H	No controlled substance detected/identified
UBR9WL	No controlled substance detected/identified	VLJ9W3	No controlled substance detected/identified
UDZ7JB	No controlled substance detected/identified	VMJYBX	No controlled substance detected/identified
UJN4YQ	No controlled substance detected/identified	VMUBH2	No controlled substance detected/identified
UJVHX7	No controlled substance detected/identified	VNAB2Q	No controlled substance detected/identified
UKW7UW	No controlled substance detected/identified	VP3EEX	No controlled substance detected/identified
UMLPLM	No controlled substance detected/identified	VPHNCR	No controlled substance detected/identified
UNTZE7	No controlled substance detected/identified	VQD6FP	No controlled substance detected/identified
UU29XW	No controlled substance detected/identified	VQW4HR	No controlled substance detected/identified
UUVCVB	No controlled substance detected/identified	VU3K2G	No controlled substance detected/identified
UVC3L9	No controlled substance detected/identified	VYTU7A	No controlled substance detected/identified
UVWWF6	No controlled substance detected/identified	VZ4QQR	No controlled substance detected/identified
UWUXQ3	No controlled substance detected/identified	VZ874T	No controlled substance detected/identified
UXW9MR	No controlled substance detected/identified	W4GYF4	No controlled substance detected/identified
UZLJTC	No controlled substance detected/identified	W4UNEU	No controlled substance detected/identified
UZPY9X	No controlled substance detected/identified	W6TTWQ	No controlled substance detected/identified
V2VTJN	No controlled substance detected/identified	W6YTGD	No controlled substance detected/identified
V7L824	No controlled substance detected/identified	WANMUR	No controlled substance detected/identified
V8AB34	No controlled substance detected/identified	WE27ER	No controlled substance detected/identified
V92CXU	No controlled substance detected/identified	WG6ZTQ	No controlled substance detected/identified
V9GLW9	No controlled substance detected/identified	WG8Q2U	No controlled substance detected/identified
V9K7NV	No controlled substance detected/identified	WGN3JY	No controlled substance detected/identified
VA2QXQ	No controlled substance detected/identified	WKAEXH	No controlled substance detected/identified
VA4DDJ	No controlled substance detected/identified	WLVB3N	No controlled substance detected/identified
VAN82Z	No controlled substance detected/identified	WMHHUE	No controlled substance detected/identified
VBKLRC	No controlled substance detected/identified	WPA6Q9	No controlled substance detected/identified
VFEHCY	No controlled substance detected/identified	WQ23XF	No controlled substance detected/identified
VH4PZE	No controlled substance detected/identified	WR89PN	No controlled substance detected/identified
VJ7DMK	No controlled substance detected/identified	WRAWDU	No controlled substance detected/identified
VJKQZV	No controlled substance detected/identified	WRTVCD	No controlled substance detected/identified
VK8M63	No controlled substance detected/identified	WTVRG2	No controlled substance detected/identified

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
WVA6JP	No controlled substance detected/identified	YBTLGH	No controlled substance detected/identified
X2PD3T	No controlled substance detected/identified	YFA3VG	No controlled substance detected/identified
X3QZZJ	No controlled substance detected/identified	YGZ4Z6	No controlled substance detected/identified
X4UQ3F	No controlled substance detected/identified	YJPC7Y	No controlled substance detected/identified
X6LZJA	No controlled substance detected/identified	YKFMWR	No controlled substance detected/identified
X77MDP	No controlled substance detected/identified	YMLB2C	No controlled substance detected/identified
X7RYHP	No controlled substance detected/identified	YPDAHU	No controlled substance detected/identified
X9A8DH	No controlled substance detected/identified	YPRRFU	No controlled substance detected/identified
XB8TVA	No controlled substance detected/identified	YQKPJV	No controlled substance detected/identified
XBZFRD	No controlled substance detected/identified	YUQVRZ	No controlled substance detected/identified
XCB8Y9	No controlled substance detected/identified	YV3LNX	No controlled substance detected/identified
XFUGR7	No controlled substance detected/identified	YYZ3ZR	No controlled substance detected/identified
XHKF8Q	No controlled substance detected/identified	Z2HPYK	No controlled substance detected/identified
XK9KX9	No controlled substance detected/identified	Z2M2RV	No controlled substance detected/identified
XNNLK8	No controlled substance detected/identified	Z6G4LA	No controlled substance detected/identified
XPBGPP	No controlled substance detected/identified	Z9VUFJ	No controlled substance detected/identified
XRHH7F	No controlled substance detected/identified	ZAEKY4	No controlled substance detected/identified
XRMZ9X	No controlled substance detected/identified	ZAMVFF	No controlled substance detected/identified
XU8RCA	No controlled substance detected/identified	ZDERJ2	No controlled substance detected/identified
XV4AB4	No controlled substance detected/identified	ZE8NM2	No controlled substance detected/identified
XVKGG8	No controlled substance detected/identified	ZE9EXQ	No controlled substance detected/identified
XW6LHQ	No controlled substance detected/identified	ZF463J	No controlled substance detected/identified
XY2TBG	No controlled substance detected/identified	ZF68MV	No controlled substance detected/identified
XZRJG	No controlled substance detected/identified	ZGNA32	No controlled substance detected/identified
Y2D83G	No controlled substance detected/identified	ZGTK6D	No controlled substance detected/identified
Y3YMQJ	No controlled substance detected/identified	ZKMLY2	No controlled substance detected/identified
Y47VPH	No controlled substance detected/identified	ZNUME8	No controlled substance detected/identified
Y4XMYW	No controlled substance detected/identified	ZPQ4TP	No controlled substance detected/identified
Y7JE77	No controlled substance detected/identified	ZQ4VPP	No controlled substance detected/identified
Y8BPFZ	No controlled substance detected/identified	ZQ9JL4	No controlled substance detected/identified
YAYY3T	No controlled substance detected/identified	ZTA37W	No controlled substance detected/identified

TABLE 1a - Item 1 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
ZTBTGL	No controlled substance detected/identified		
ZV8HZ	No controlled substance detected/identified		

<i>Response Summary - Item 1</i>	
Participants: 620	
No Controlled substance(s) detected/identified:	620
Other:	0

**Examination Methods (Item 1)**

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
22KPR7	✓	✓							✓	
23WCEQ	✓								✓	
26FK9J		✓							✓	
27A74W					✓				✓	
28MXWD	✓	✓							✓	
2A9U2K		✓							✓	
2ADWCW	✓	✓		✓					✓	
2ATCNC	✓	✓							✓	
2BHZHE		✓							✓	TruNarc
2BZTG4		✓							✓	Weight Determination
2CJDUZ	✓	✓							✓	
2DW88F	✓	✓							✓	
2EH4CM	✓	✓							✓	
2EVJPA	✓								✓	
2J24T2	✓	✓							✓	
2JR94M	✓								✓	
2KRCYV	✓	✓			✓	✓			✓	
2YNN4F	✓								✓	
32P6M4	✓	✓							✓	
32V77V	✓	✓			✓	✓			✓	
3368NB									✓	
3AMJ4W	✓								✓	
3AP7NU					✓				✓	TruNarc
3CUQHV	✓	✓							✓	
3GQJMC	✓	✓							✓	
3HL7YF	✓	✓							✓	
3K4EVU	✓								✓	
3N3JWG	✓								✓	MeOH and Base extractions
3PY8AJ	✓	✓							✓	
3R4MLH	✓								✓	
3R7H7M	✓								✓	
3RJZYT	✓		✓	✓		✓			✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
3RK4EP									✓	
3RLP7C	✓	✓		✓					✓	
3RP7Q3	✓			✓					✓	ATR
3V7T3L	✓	✓							✓	
3WPX37	✓								✓	
3XTC4K	✓								✓	
3XYHRA	✓								✓	
3Y6YLL									✓	
3Y7WTB	✓	✓							✓	
42BMY3	✓								✓	
42F2C4	✓								✓	
46J4V8		✓							✓	DART-TOFMS, Weight Determination
48EJMW	✓	✓							✓	ATR
49NTD9		✓			✓				✓	
4CN462	✓	✓							✓	
4EE24U	✓								✓	
4FMHRR									✓	
4G738A	✓	✓							✓	
4GN6NH	✓	✓							✓	
4KJWVU					✓				✓	
4KP2HJ	✓	✓							✓	
4LBXMQ	✓								✓	
4N4WUU									✓	
4NLU88	✓	✓			✓	✓			✓	
4PERDT	✓	✓							✓	
4RGTDQ					✓				✓	
4TJ8CK	✓							✓	✓	
4V46EG	✓	✓							✓	
4XRP8T	✓								✓	
4ZE99Q	✓								✓	
628L82	✓	✓		✓					✓	
6A68KV									✓	DART-AgilentTOF
6BVFPQ	✓			✓					✓	
6DWFM4	✓	✓							✓	



TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
6F3XKY	✓								✓	
6J4X7P	✓								✓	
6JZKAG	✓	✓							✓	
6LGCXH		✓							✓	
6MBA2J	✓	✓		✓					✓	
6MN4DD	✓								✓	
6MVCAD							✓			QTOF LCMS
6NW77P	✓								✓	
6PYWHD									✓	
6X7D8X	✓	✓							✓	
6XXNNF							✓		✓	
6Y2YZP	✓	✓						✓	✓	
6YGFTW	✓	✓							✓	
6YLPYB	✓									DART-TOF
76FDNF	✓								✓	
77FAK4	✓								✓	
788HBL	✓	✓							✓	
78VJKV	✓								✓	
7BB4GJ	✓								✓	
7BVVJV	✓	✓							✓	
7EAE6	✓				✓	✓			✓	
7F2N4M		✓			✓				✓	
7HAGPZ	✓	✓							✓	
7JCRLN	✓								✓	
7LKPBY	✓	✓						✓	✓	
7QNHNA	✓	✓							✓	
7VTF3E		✓							✓	
7X3BTZ									✓	Weight Determination
828K7L	✓	✓						✓	✓	
82XDJL	✓								✓	
86J9YC		✓		✓					✓	
87NR22	✓								✓	ATR-IR Spectroscopy
89FWDX	✓	✓		✓					✓	
89RNC4	✓								✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
8ARHCM	✓								✓	
8G7FUE	✓	✓							✓	
8J2Y47	✓	✓							✓	
8KR83A	✓	✓							✓	
8KUW87	✓	✓							✓	
8MXW2C		✓							✓	
8NB8EH	✓	✓			✓				✓	
8NRHWN	✓								✓	
8PGN8A		✓							✓	
8PKGXU		✓							✓	
8PMUZ4					✓				✓	
8RVA6N	✓	✓		✓					✓	
8WCVH3	✓								✓	
8WKNRA	✓	✓							✓	
8XWFPK	✓	✓							✓	
8Y7J64	✓	✓							✓	
8Z7BQP	✓	✓		✓					✓	
92C9DQ	✓								✓	
93AEZQ		✓							✓	DART Agilent ToF
963Q34	✓	✓				✓		✓	✓	
97PXWE	✓								✓	
99X72T	✓	✓		✓					✓	
9AK27Z		✓							✓	
9AQ8UP		✓							✓	NMR
9BLH66		✓		✓					✓	
9GAB2R		✓							✓	
9HYLRK	✓	✓							✓	
9JU8JQ	✓								✓	
9KJQT3	✓								✓	
9LDFDJ	✓								✓	
9ME2JA	✓	✓			✓				✓	
9NAL7A	✓	✓		✓					✓	
9NQW73		✓							✓	
9PB23Z		✓							✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
9RBTP	✓	✓		✓					✓	
9W8CVQ	✓				✓	✓			✓	
9X7V3K	✓								✓	
9Z6XJM	✓	✓		✓					✓	
A33NAL		✓			✓				✓	
A4K7MY		✓				✓			✓	
A4WG3W	✓	✓							✓	
A4XAUZ		✓					✓		✓	
A6DH3D	✓	✓							✓	
A9B4QA	✓	✓							✓	
A9CRDF	✓								✓	
AAE6DF		✓			✓				✓	
AAMUYE	✓	✓							✓	
AB39DF	✓								✓	
ABAQ4L	✓								✓	
ABV7GF	✓								✓	
AEGV2T	✓	✓		✓					✓	
AG3NZ3									✓	
AHQ37Z		✓							✓	
AKFDCL	✓								✓	
ALH8XP	✓	✓							✓	
ANPHXZ	✓					✓			✓	
ARGP9H	✓								✓	
AUBKU4	✓	✓							✓	
AUC9HA	✓	✓			✓				✓	
AVL3FV	✓	✓		✓					✓	
AVX7DF		✓						✓	✓	
AY3MZP	✓	✓		✓					✓	
B2KAYH	✓								✓	
B2PJ6W	✓								✓	wight determination
B7KBJX	✓								✓	
B94K7Q	✓								✓	
B9BDNL					✓			✓		TruNarc
BAF3KN									✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
BGXKXB	✓	✓							✓	
BGZA39	✓	✓							✓	
BJYRTA	✓	✓						✓		
BK3YW3		✓							✓	Weight determination
BKLYL8	✓								✓	
BMFY9W	✓	✓							✓	
BQ8UCH		✓			✓				✓	
BRL8CL	✓			✓					✓	
BRRAY7	✓								✓	
BTAUKF	✓								✓	
BVGFWA	✓							✓	✓	
BZT97L	✓	✓		✓					✓	
BZUXGA	✓				✓				✓	
BZYDUB		✓							✓	
C2JMEV	✓	✓							✓	
C4P86G							✓		✓	
C6797X	✓	✓		✓					✓	
C6G8WM	✓								✓	
C6MGWD	✓	✓							✓	0.5N NaOH / Hexanes Extraction
C9J4QN	✓	✓		✓					✓	
C9WQTB	✓								✓	
CAL2J4							✓			QTRAP LCMS
CANP8A		✓							✓	
CDZDYY	✓	✓				✓			✓	
CEQDFH	✓	✓		✓					✓	
CFZJER	✓								✓	
CGD9JP	✓	✓		✓					✓	
CGV66B	✓	✓		✓					✓	
CH9WZD	✓	✓							✓	
CHXEK8									✓	
CLQ9NG					✓				✓	
CMXAXG	✓	✓		✓					✓	
CNHVUQ	✓	✓							✓	
CPHEYY	✓								✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
CQLQB9		✓		✓					✓	
CQQ7PU	✓	✓							✓	
CVTAAL									✓	
CW2KXR	✓				✓				✓	
CXL6ZG	✓	✓							✓	
DCMK2W	✓								✓	
DDBH7V	✓								✓	
DE92W4									✓	
DHNKTR	✓	✓		✓					✓	
DKTV3A		✓							✓	
DM7Y6Y	✓								✓	
DNDTLX									✓	
DNM376	✓								✓	
DR4J9H	✓	✓							✓	
DR69FZ									✓	
DRC89N									✓	DART-AgilentTOF
DTPQ6E		✓							✓	
DVBP4U					✓				✓	
DVW7KW					✓				✓	
DX3LTN	✓				✓	✓			✓	
DXUTHF	✓	✓						✓	✓	
DZGHTL	✓								✓	
E28WYB	✓								✓	
E2XYPC	✓								✓	
E8JR2C	✓								✓	
EA6N6J	✓								✓	
EACGPY	✓	✓							✓	
EARZAW	✓	✓							✓	
EBH7KH	✓								✓	
ECACPF	✓								✓	
ECH2FK									✓	Electronic Balance, DART Agilent TOF
ECVQJW	✓	✓							✓	
ED7MXA	✓	✓							✓	
EE4XTC	✓	✓							✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
EEJ8MZ	✓							✓	✓	
EEXMPF	✓								✓	
ER8EJE	✓	✓		✓					✓	
ERLPDD	✓	✓							✓	
EVHDMU	✓								✓	LC/DAD
EWRH34	✓								✓	
EX23R8		✓					✓		✓	
EX9L4B	✓								✓	
EZXUBQ									✓	weight determination
F2TURF	✓	✓							✓	
F4Y63X	✓				✓	✓			✓	
F7K62D	✓							✓	✓	
F8C6W4	✓								✓	
F9B3ED	✓								✓	
F9NYFC	✓	✓							✓	
FA44DM	✓	✓		✓					✓	
FABJJR	✓	✓							✓	
FC4FKA		✓						✓	✓	
FC7WAT		✓							✓	
FEFZ4H	✓				✓					TruNarc
FETQTF		✓			✓				✓	
FFV4VN	✓	✓				✓			✓	
FHE38X	✓	✓							✓	
FJBMRC	✓	✓							✓	
FMVJLW	✓								✓	
FNNE86	✓	✓			✓				✓	
FNP6G9		✓							✓	
FNXWAB	✓	✓						✓	✓	
FQT3PF		✓					✓		✓	
FV2M42	✓								✓	
FVYUF2		✓							✓	Two separate sampling used, two GC/MS instruments used.
FXVCV9		✓							✓	
FYG9ZF	✓								✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
G28JUR		✓							✓	
G2NH4J	✓	✓		✓					✓	
G4BCM6	✓	✓							✓	
G6KCD8	✓	✓						✓	✓	
G96DLY					✓				✓	
GB7DJC	✓								✓	
GDY6W4	✓	✓							✓	
GFJBXL	✓	✓							✓	
GGC97R	✓								✓	
GGY9QB		✓							✓	
GKK8XR	✓								✓	pH
GLPQ2F	✓								✓	
GU22VT					✓				✓	
GV4DFP	✓								✓	
GWBWWX		✓		✓					✓	
GWQ6U2		✓						✓	✓	
GXAX8V		✓							✓	
GZNL8V		✓							✓	Silver Nitrate
H677YF					✓				✓	
H69AVX									✓	
H6M77C		✓					✓		✓	
H7EFM7	✓								✓	
H7HUK2	✓				✓				✓	
H8A3BJ	✓								✓	
H8P7YG									✓	
H94QP8	✓				✓				✓	
H9FPKG	✓			✓					✓	
H9NEBL	✓								✓	
HB8BV7	✓	✓							✓	
HDXLLY	✓								✓	
HECYE3	✓	✓			✓				✓	
HGAP3F	✓								✓	
HHBD2R	✓					✓				
HJ7ZEV				✓					✓	ATR

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
HKWYRU	✓	✓				✓			✓	
HM9UEL	✓	✓							✓	
HVQQKE	✓								✓	
HVUCF8	✓	✓			✓				✓	
HWBAZ7	✓								✓	FTIR with ATR accessory
HX2AZ3	✓								✓	
HXGW8J		✓							✓	
HYLF2L	✓	✓		✓					✓	
J2UW7W									✓	
J6GGDY	✓	✓							✓	
J6TCCY	✓	✓							✓	
J6UCBD	✓								✓	
J7XNK2	✓	✓							✓	
J8L4QP		✓							✓	
JBZUKY	✓	✓							✓	
JD9Z9Y	✓								✓	
JG8C87	✓								✓	
JGX8W2		✓		✓					✓	
JJ4J44	✓	✓						✓	✓	
JJQFQX	✓	✓		✓					✓	
JL6QVF									✓	
JNB27C		✓		✓					✓	
JNTF3F		✓							✓	
JNYFKH									✓	DART-TOF MS
JWFFHZ	✓								✓	
JWRN69	✓								✓	
JXY8MG	✓							✓	✓	
JYUN2L	✓	✓							✓	
K3KEMN	✓	✓							✓	
K6UJZC	✓	✓							✓	
K8Y3EK	✓	✓		✓					✓	
K9DGZ9	✓	✓							✓	
KED62Z	✓								✓	
KH27RH	✓								✓	



TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
KJXXQ	✓								✓	
KJV4WH		✓							✓	
KNLD7F		✓							✓	
KP2KPP	✓								✓	
KP8WBZ		✓		✓					✓	
KR8CDW		✓							✓	NMR
KTGATY		✓		✓					✓	
KTZBD3									✓	
KV8BXM					✓				✓	
KY8MUM					✓				✓	
KZ2G7X									✓	
L3LUB9	✓	✓							✓	
L3Y9WW	✓								✓	
L3ZX6Z	✓								✓	
L6K47H	✓	✓							✓	
L6NQMW									✓	
L76QZW	✓	✓							✓	
L8FMFA		✓							✓	
L8H2D4	✓	✓							✓	
L8UY39	✓								✓	
L8XRWM	✓								✓	
L99GAX					✓				✓	
LANQC7	✓	✓		✓			✓		✓	
LCN27K	✓	✓		✓					✓	
LHJJVX					✓				✓	
LJA46B	✓								✓	
LJCG36	✓	✓							✓	
LPQEER	✓	✓				✓			✓	
LUD6V2	✓							✓	✓	
LUZRWQ	✓	✓						✓		Lateral Flow Chromatographic Immunoassay
LWFXVR	✓								✓	
LWHM36	✓	✓							✓	
M3VZ8A	✓	✓							✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
M44BNK	✓	✓			✓				✓	
MDV2Y	✓								✓	
MEDLXB						✓			✓	
MF97HP	✓	✓		✓		✓			✓	
MHCWTB	✓					✓			✓	
MMQRFY	✓							✓	✓	
MNVGC4	✓				✓				✓	
MPANUE		✓						✓	✓	
MPW49U					✓				✓	
MQ6CD9	✓	✓							✓	
MRL7EH	✓	✓							✓	
MTPAG6	✓	✓							✓	
MUQ2VZ	✓	✓		✓					✓	
MVCWZ8	✓								✓	
MVGALH	✓								✓	
N4JU9H	✓								✓	
N6UWVG	✓								✓	
NAPLK2	✓	✓						✓	✓	
NC2ACQ					✓				✓	
NDD37T	✓	✓							✓	
NF6V76	✓								✓	
NFWCKL	✓								✓	
NGNATT	✓								✓	
NJ3HY7		✓						✓	✓	
NMZTXE	✓								✓	
NPGK3N		✓							✓	DART/TOF-MS
NPZ84Q	✓								✓	
NTCYKL	✓								✓	
NVEXEQ	✓					✓				GC-FID-MS, DART-TOF
NX474U		✓		✓					✓	
NYP28Z	✓	✓						✓	✓	
P46RBB		✓							✓	
P47RBN		✓		✓					✓	
P4ND96	✓			✓					✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
P4UCKM	✓								✓	
P7C2GY	✓								✓	
P7RBC9	✓								✓	
PABDCY	✓								✓	
PB7YZB	✓								✓	
PBKQKF	✓								✓	
PCZMEZ	✓								✓	
PDUM8H	✓								✓	
PE3MMX		✓							✓	
PFYZ86	✓				✓				✓	
PKQCRU	✓								✓	
PLR7WT									✓	HFBA-derivatization
PMHB8E	✓	✓						✓	✓	Test for chloride salts
PNEPXQ	✓								✓	
PQW2D9	✓	✓							✓	
PTX47Q	✓	✓							✓	
PTZRLA		✓			✓				✓	
PUUPPA		✓							✓	
PUVFZX	✓								✓	
PVCJPW		✓		✓					✓	
PVW3WP					✓				✓	
PZaubw		✓							✓	DART-Agilent TOF
Q2AGY8	✓	✓							✓	
Q36BCH									✓	
Q42P3U	✓	✓			✓				✓	
Q4CKC3	✓	✓							✓	
Q8KND4	✓								✓	
Q9DMEB	✓								✓	
QD98X8	✓				✓	✓			✓	
QDJG XK	✓	✓							✓	
QE7HUA	✓				✓	✓			✓	FTIR/ATR
QFGJF9	✓				✓	✓			✓	weight determination
QFUVCT	✓								✓	Dual GC/MS
QG3FKF	✓	✓							✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
QJD8RA	✓	✓		✓					✓	
QK3LBR		✓							✓	
QKPRYX	✓	✓							✓	
QMBN46	✓								✓	
QRKWCM									✓	TruNarc Analyzer
QWW2UN									✓	
QY7QQ8	✓	✓							✓	
QYBBHU	✓	✓							✓	
QZHE8C	✓	✓		✓					✓	
QZNVK2	✓								✓	
QZZFU2	✓	✓							✓	
RC3PFN	✓	✓							✓	
RCB928	✓	✓							✓	
RCNX3Y									✓	
RDPKYP					✓				✓	
RDVD3P									✓	
REQZNU									✓	
RFWZ9G					✓				✓	
RGNYME	✓								✓	
RKMGHL	✓	✓							✓	
RLFGKQ	✓	✓							✓	
RNPBKW	✓	✓							✓	
RPGBFM		✓							✓	TOF
RPXMZD	✓	✓							✓	
RQL8BC	✓								✓	
RWV83V	✓	✓							✓	
RWX3LY									✓	
RX7AQF	✓	✓							✓	
RXFD4D	✓	✓							✓	
RY8WLK	✓				✓	✓			✓	
T4L9PY	✓	✓						✓	✓	
T4U2XL	✓								✓	
TDDR2L	✓	✓							✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
TDVJAB		✓							✓	Polarized Light Microscopy; AccuTOF DART
TEDJN8	✓	✓		✓					✓	
TEHG3A	✓							✓	✓	
TGB6PC	✓	✓		✓					✓	
TGQPAA									✓	TruNarc Device
TGYETE									✓	
TGZ644	✓	✓							✓	
TM7ZU3	✓	✓					✓		✓	
TM8Q2L	✓								✓	
TMZP2R	✓								✓	
TPD7F4	✓	✓		✓					✓	
TPUBW6	✓								✓	FTIR with ATR accessory
TV6ATG	✓					✓			✓	
TWMNGC	✓								✓	
TX36RW	✓	✓							✓	
TY4RNN					✓				✓	
U4G9ZJ	✓	✓							✓	DART
U4RRHA	✓	✓				✓			✓	
U64FUJ	✓	✓							✓	
U6BUVW	✓	✓						✓	✓	
U6ZTF2	✓								✓	
U84WRB	✓								✓	Weight determination
U9H9RE	✓								✓	
UAWKED	✓	✓							✓	
UBR9WL		✓			✓				✓	
UDZ7JB	✓	✓		✓					✓	
UJN4YQ	✓	✓							✓	
UJVHX7		✓						✓	✓	
UKW7UW	✓	✓							✓	
UMLPLM	✓	✓							✓	
UNTZE7	✓	✓							✓	
UU29XW	✓								✓	
UUVCVB	✓							✓	✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
UVC3L9	✓	✓							✓	
UVWWF6	✓	✓		✓					✓	
UWUXQ3					✓				✓	TruNarc
UXW9MR									✓	
UZLJTC	✓	✓							✓	
UZPY9X	✓								✓	
V2VTJN	✓	✓							✓	
V7L824	✓								✓	
V8AB34	✓	✓			✓	✓			✓	
V92CXU	✓	✓							✓	
V9GLW9	✓							✓	✓	
V9K7NV	✓								✓	
VA2QXQ							✓		✓	
VA4DDJ	✓								✓	
VAN82Z	✓								✓	
VBKLRC					✓				✓	
VFEHCY	✓								✓	
VH4PZE					✓				✓	
VJ7DMK	✓	✓							✓	
VJKQZV	✓	✓							✓	
VK8M63	✓								✓	
VKL38H	✓								✓	
VLJ9W3	✓	✓							✓	
VMJYBX	✓	✓		✓			✓		✓	
VMUBH2	✓								✓	
VNAB2Q		✓							✓	
VP3EEX	✓	✓							✓	
VPHNCR									✓	
VQD6FP									✓	
VQW4HR	✓								✓	
VU3K2G	✓								✓	
VYTU7A	✓								✓	Weight determination
VZ4QQR		✓							✓	
VZ874T	✓	✓							✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
W4GYF4	✓				✓	✓			✓	
W4UNEU									✓	
W6TTWQ	✓	✓							✓	
W6YTGD					✓				✓	
WANMUR	✓	✓							✓	
WE27ER	✓	✓							✓	
WG6ZTQ	✓	✓						✓	✓	
WG8Q2U	✓	✓							✓	
WGN3JY	✓	✓							✓	
WKAEXH	✓	✓							✓	
WLVB3N									✓	
WMHHUE	✓								✓	
WPA6Q9	✓	✓		✓					✓	
WQ23XF	✓							✓	✓	
WR89PN		✓			✓				✓	
WRAWDU	✓	✓							✓	
WRTVCD	✓								✓	
WTVRG2	✓								✓	
WVA6JP		✓		✓					✓	
X2PD3T	✓				✓				✓	
X3QZZJ	✓				✓				✓	
X4UQ3F	✓								✓	
X6LZJA								✓	✓	
X77MDP	✓	✓							✓	
X7RYHP		✓							✓	
X9A8DH	✓	✓								DART-TOF MS
XB8TVA	✓								✓	
XBZFRD		✓							✓	
XCB8Y9	✓								✓	
XFUGR7	✓	✓							✓	
XHKF8Q		✓							✓	Microscope
XK9KX9	✓								✓	
XNNLK8									✓	TruNarc
XPBGPP	✓	✓							✓	

TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
XRHH7F	✓								✓	
XRMZ9X		✓					✓		✓	
XU8RCA									✓	
XV4AB4	✓	✓		✓					✓	
XVKGG8	✓								✓	
XW6LHQ		✓		✓					✓	
XY2TBG	✓	✓							✓	
XZRJG	✓	✓		✓					✓	
Y2D83G	✓	✓							✓	
Y3YMQJ	✓								✓	
Y47VPH									✓	
Y4XMYW	✓								✓	
Y7JE77	✓	✓							✓	
Y8BPFZ	✓	✓							✓	
YAYY3T	✓	✓							✓	
YBTLGH	✓					✓				DART-TOF
YFA3VG					✓				✓	
YGZ4Z6	✓	✓							✓	
YJPC7Y	✓	✓		✓					✓	
YKFMWR	✓	✓							✓	
YMLB2C									✓	
YPDAHU	✓								✓	
YPRRFU	✓								✓	
YQKPJV	✓								✓	
YUQVRZ									✓	DART-Agilent TOF Mass Spectrometry
YV3LNK	✓	✓							✓	
YYZ3ZR	✓	✓			✓				✓	
Z2HPYK	✓	✓							✓	
Z2M2RV	✓								✓	
Z6G4LA		✓							✓	
Z9VUFJ	✓	✓							✓	
ZAEKY4	✓	✓							✓	
ZAMVFF	✓	✓							✓	
ZDERJ2	✓								✓	



TABLE 1b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
ZE8NM2		✓							✓	
ZE9EXQ	✓								✓	
ZF463J	✓								✓	
ZF68MV	✓	✓		✓					✓	
ZGNA32									✓	
ZGTK6D	✓	✓							✓	
ZKMLY2	✓	✓							✓	
ZNUME8		✓							✓	weight determination
ZPQ4TP	✓								✓	
ZQ4VPP	✓								✓	
ZQ9JL4	✓	✓						✓	✓	
ZTA37W									✓	GC-FID
ZTBTGL	✓	✓			✓				✓	
ZV8HZ	✓				✓	✓			✓	

**Response Summary**

Participants	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS
620	450	320	1	65	69	30	13	36	609
Percent	73%	52%	0.2%	10%	11%	5%	2%	6%	98%

## Drug Analysis (Item 2)

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
22KPR7	Morphine	3RJZYT	MORPHINE
23WCEQ	Morphine	3RK4EP	Morphine
26FK9J	Morphine	3RLP7C	Morphine
27A74W	Morphine, Schedule II	3RP7Q3	Contains Morphine
28MXWD	morphine	3V7T3L	Morphine
2A9U2K	Morphine	3WPX37	Morphine
2ADWCW	Morphine	3XTC4K	Morphine
2ATCNC	Morphine	3XYHRA	morphine
2BHZHE	Morphine	3Y6YLL	Morphine
2BZTG4	Morphine	3Y7WTB	Morphine
2CJDUZ	Morphine	42BMY3	Morphine
2DW88F	Morphine	42F2C4	Morphine Schedule II
2EH4CM	Morphine	46J4V8	Morphine
2EVJPA	Morphine	48EJMW	MORPHINE
2J24T2	Morphine	49NTD9	morphine
2JR94M	Morphine	4CN462	Morphine
2KRCYV	Morphine	4EE24U	Morphine
2YNN4F	Morphine	4FMHRR	Morphine
32P6M4	Morphine found	4G738A	Morphine
32V77V	Morphine	4GN6NH	morphine
3368NB	Morphine (salt form undetermined)	4KJWVU	Morphine, Schedule II
3AMJ4W	Morphine	4KP2HJ	Morphine
3AP7NU	Morphine	4LBXMQ	Morphine
3CUQHV	Morphine	4N4WUU	Morphine
3GQJMC	morphine	4NLU88	Morphine
3HL7YF	Morphine	4PERDT	Morphine
3K4EVU	Morphine, a schedule II controlled narcotic substance.	4RGTDQ	Morphine
3N3JWG	Morphine	4TJ8CK	Morphine
3PY8AJ	morphine	4V46EG	Morphine
3R4MLH	Morphine	4XRP8T	Morphine
3R7H7M	morphine	4ZE99Q	Morphine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
628L82	Morphine	82XDJL	Morphine
6A68KV	Morphine	86J9YC	Morphine
6BVFPQ	Morphine	87NR22	Morphine
6DWF4	Morphine	89FWDX	morphine
6F3XKY	Morphine	89RNC4	Morphine
6J4X7P	MORPHINE	8ARHCM	Morphine
6JZKAG	Morphine	8G7FUE	Morphine
6LG CXH	Morphine	8J2Y47	Morphine
6MBA2J	Morphine	8KR83A	Morphine
6MN4DD	Morphine	8KUW87	morphine
6MVCAD	Morphine sulphate	8MXW2C	morphine
6NW77P	Morphine	8NB8EH	Morphine
6PYWHD	Morphine	8NRHWN	Morphine
6X7D8X	Morphine	8PGN8A	Morphine
6XXNNF	Morphine	8PKG XU	MORPHINE
6Y2YZP	Morphine	8PMUZ4	morphine
6YGFTW	Morphine	8RVA6N	Morphine
6YLPYB	Morphine (Schedule II)	8WCVH3	morphine
76FDNF	Morphine	8WKNRA	Morphine
77FAK4	Morphine	8XWFPK	Morphine
788HBL	Morphine	8Y7J64	Morphine, CII
78VJKV	Morphine	8Z7BQP	Morphine
7BB4GJ	Morphine	92C9DQ	Morphine
7BVV FV	MORPHINE	93AEZQ	Morphine
7EAE E6	Morphine	963Q34	Color Test- Opiate. Raman- Codeine.
7F2N4M	Morphine	97PXWE	morphine
7HAGPZ	Morphine	99X72T	Morphine
7JCRLN	Morphine	9AK27Z	Morphine
7LKPBY	morphine	9AQ8UP	morphine (salt form not determined)
7QNHNA	Morphine	9BLH66	Morphine
7VTF3E	Morphine	9GAB2R	morphine
7X3BTZ	Morphine	9HYLRK	Morphine
828K7L	Morphine	9JU8JQ	Morphine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
9KJQT3	Morphine	AY3MZP	Morphine
9LDFDJ	Morphine	B2KAYH	Morphine
9ME2JA	Morphine	B2PJ6W	Morphine
9NAL7A	Morphine	B7KBJX	Morphine
9NQW73	Morphine	B94K7Q	Morphine
9PB23Z	Morphine	B9BDNL	morphine
9RBTPL	Morphine	BAF3KN	Morphine
9W8CVQ	Morphine	BGXXKB	morphine
9X7V3K	Morphine.	BGZA39	Morphine
9Z6XJM	Morphine	BJYRTA	Starch/ Morphine Sulfate Pentahydrate
A33NAL	Morphine	BK3YW3	Morphine
A4K7MY	Morphine	BKLYL8	Morphine
A4WG3W	MORPHINE	BMFY9W	Morphine
A4XAUZ	Morphine	BQ8UCH	Morphine
A6DH3D	morphine	BRL8CL	Morphine II
A9B4QA	Morphine	BRRAY7	Morphine Sulfate
A9CRDF	Morphine	BTAUKF	Morphine, a schedule II controlled narcotic substance.
AAE6DF	morphine	BVGFWA	Morphine
AAMUYE	Controlled substance(s) detected/identified	BZT97L	Morphine
AB39DF	Morphine	BZUXGA	Morphine
ABAQ4L	Morphine	BZYDUB	morphine
ABV7GF	Morphine	C2JMEV	Morphine
AEGV2T	Morphine	C4P86G	Morphine
AG3NZ3	Morphine	C6797X	Item 2 was found to contain Morphine, a controlled substance.
AHQ37Z	Morphine	C6G8WM	Morphine
AKFDCL	Morphine	C6MGWD	Morphine
ALH8XP	Morphine	C9J4QN	Codeine. Morphine.
ANPHXZ	morphine	C9WQTB	Morphine
ARGP9H	Morphine	CAL2J4	Morphine sulphate
AUBKU4	morphine	CANP8A	morphine
AUC9HA	Morphine - Schedule II	CDZDYY	Morphine
AVL3FV	Morphine	CEQDFH	Morphine
AVX7DF	Morphine		

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
CFZJER	Morphine	DZGHTL	Morphine
CGD9JP	Morphine	E28WYB	Morphine-salt form not determined
CGV66B	morphine	E2XYPC	Morphine
CH9WZD	Morphine	E8JR2C	Morphine
CHXEK8	Morphine	EA6N6J	Morphine
CLQ9NG	Morphine	EACGPY	Morphine
CMXAXG	Morphine	EARZAW	Morphine
CNHVUQ	Morphine	EBH7KH	Morphine
CPHEYY	Morphine	ECACPF	Morphine
CQLQB9	Morphine	ECH2FK	Morphine
CQQ7PU	Morphine	ECVQJW	Morphine
CVTAAL	Morphine	ED7MXA	Morphine
CW2KXR	Morphine	EE4XTC	Morphine
CXL6ZG	Morphine	EEJ8MZ	morphine
DCMK2W	Morphine	EEXMPF	Morphine.
DDBH7V	Morphine	ER8EJE	Morphine
DE92W4	Morphine	ERLPDD	Morphine
DHNKTR	Contains Morphine	EVHDMU	Morphine sulfate
DKTV3A	Morphine	EWRH34	Morphine
DM7Y6Y	Morphine	EX23R8	Morphine
DNDTLX	Morphine	EX9L4B	Morphine
DNM376	Morphine	EZXUBQ	Morphine
DR4J9H	Material containing Morphine – Schedule II Opium Derivative. Net weight of material - 0.29 (+/- 0.03) gram(s). (confidence level 99.7%)	F2TURF	Morphine
DR69FZ	Morphine	F4Y63X	Morphine
DRC89N	Morphine	F7K62D	Morphine
DTPQ6E	Morphine	F8C6W4	Morphine
DVBP4U	morphine	F9B3ED	Morphine
DV7KW	Morphine	F9NYFC	morphine
DX3LTN	Morphine	FA44DM	Morphine
DXUTHF	Morphine. Starch was also identified in Item 2.	FABJJR	Morphine
		FC4FKA	Morphine
		FC7WAT	Morphine
		FEFZ4H	morphine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
FETQTF	Morphine	H69AVX	Morphine hydrochloride
FFV4VN	+Morphine	H6M77C	Morphine
FHE38X	Morphine	H7EFM7	Morphine
FJBMRC	Morphine	H7HUK2	Morphine
FMVJLW	Morphine	H8A3BJ	Morphine
FNNE86	Morphine	H8P7YG	MORPHINE
FNP6G9	Morphine	H94QP8	morphine
FNXWAB	Morphine	H9FPKG	Morphine
FQT3PF	Morphine	H9NEBL	morphine
FV2M42	Morphine.	HB8BV7	Morphine
FVYUF2	Morphine	HDXLLY	Morphine
FXVCV9	Morphine	HECYE3	Morphine (II)
FYG9ZF	morphine	HGAP3F	Morphine
G28JUR	Contains MORPHINE (confirmed). CODEINE indicated but not confirmed.	HHBD2R	Morphine
G2NH4J	Morphine	HJ7ZEV	MORPHINE
G4BCM6	Morphine	HKWYRU	Morphine
G6KCD8	Morphine	HM9UEL	Morphine
G96DLY	morphine	HVQQKE	Morphine
GB7DJC	Morphine	HVUCF8	Morphine
GDY6W4	Morphine	HWBAZ7	morphine
GFJBLX	Morphine, CII	HX2AZ3	Morphine
GGC97R	Morphine	HXGW8J	Morphine
GGY9QB	Morphine	HYLF2L	Morphine found
GKK8XR	Morphine	J2UW7W	Morphine
GLPQ2F	Morphine	J6GGDY	Morphine
GU22VT	Morphine	J6TCCY	Morphine
GV4DFP	morphine	J6UCBD	Morphine
GWBWWX	Morphine	J7XNK2	Morphine, a Class B controlled drug, under the [Country Law], as amended.
GWQ6U2	Morphine	J8L4QP	Morphine
GXAX8V	Morphine	JBZUKY	Morphine
GZNL8V	Morphine	JD9Z9Y	Morphine
H677YF	Morphine	JG8C87	Morphine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
JGX8W2	Morphine	L76QZW	morphine
JJ4J44	Morphine	L8FMFA	Morphine
JJQFQX	morphine	L8H2D4	morphine
JL6QVF	Morphine	L8UY39	Morphine
JNB27C	Morphine	L8XRWM	Morphine
JNTF3F	morphine	L99GAX	morphine
JNYFKH	Morphine	LANQC7	Contains Morphine
JWFFHZ	Morphine	LCN27K	Contains Morphine
JWRN69	Morphine	LHJJVX	Morphine
JXY8MG	Morphine	LJA46B	Yes. Morphine
JYUN2L	morphine	LJCG36	Morphine
K3KEMN	MORPHINE	LPQEER	Morphine
K6UJZC	Morphine	LUD6V2	Morphine
K8Y3EK	Morphine	LUZRWQ	No controlled substance detected/identified
K9DGZ9	Morphine	LWFXVR	Morphine
KED62Z	Morphine	LWHM36	Morphine
KH27RH	Morphine	M3VZ8A	MORPHINE
KJXXQ	Morphine	M44BNK	Morphine (Schedule II)
KJV4WH	Morphine	MDV2Y	Morphine
KNLD7F	Morphine	MEDLXB	morphine
KP2KPP	Morphine	MF97HP	Morphine
KP8WBZ	Morphine	MHCWTB	morphine
KR8CDW	Morphine (salt form undetermined)	MMQRFY	Morphine
KTGATY	Morphine	MNVGC4	morphine
KTZBD3	morphine	MPANUE	Morphine.
KV8BXM	Morphine	MPW49U	Morphine
KY8MUM	morphine	MQ6CD9	Morphine
KZ2G7X	MORPHINE	MRL7EH	Morphine
L3LUB9	Morphine	MTPAG6	Morphine
L3Y9WW	Morphine	MUQ2VZ	morphine
L3ZX6Z	Morphine	MVCWZ8	Morphine, Schedule II CDS
L6K47H	Morphine	MVGALH	MORPHINE
L6NQMW	Morphine	N4JU9H	Morphine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
N6UWVG	Morphine	PQW2D9	Morphine
NAPLK2	Morphine	PTX47Q	Morphine
NC2ACQ	morphine	PTZRLA	Morphine
NDD37T	Morphine	PUUPPA	Morphine
NF6V76	Morphine	PUVFZX	Morphine
NFWCKL	Morphine	PVCJPW	Morphine
NGNATT	Morphine	PVW3WP	Morphine
NJ3HY7	Morphine	PZAUBW	morphine
NMZTXE	Morphine	Q2AGY8	morphine
NPGK3N	Morphine	Q36BCH	Morphine
NPZ84Q	Morphine (CII)	Q42P3U	Morphine
NTCYKL	Morphine	Q4CKC3	Contains morphine
NVEXEQ	Morphine (Schedule II)	Q8KND4	Morphine
NX474U	Morphine	Q9DMEB	morphine
NYP28Z	Morphine	QD98X8	Morphine
P46RBB	Morphine	QDJG XK	Morphine
P47RBN	Morphine	QE7HUA	Morphine
P4ND96	Morphine	QFGJF9	Morphine
P4UCKM	Morphine	QFUVCT	Morphine
P7C2GY	Morphine, a schedule II controlled narcotic substance	QG3FKF	Morphine
P7RBC9	Morphine	QJD8RA	Morphine
PABDCY	Morphine, a schedule II controlled narcotic substance.	QK3LBR	morphine
PB7YZB	morphine	QKPRYX	Morphine
PBKQKF	Contains Morphine	QMBN46	Morphine
PCZMEZ	morphine	QRKWCM	Morphine
PDUM8H	Morphine	QWW2UN	Morphine found
PE3MMX	Morphine	QY7QQ8	Morphine
PFYZ86	Morphine	QYBBHU	Morphine
PKQCRU	Morphine	QZHE8C	Morphine
PLR7WT	Morphine	QZNV2	Morphine
PMHB8E	Morphine	QZZFU2	Morphine
PNEPXQ	Morphine	RC3PFN	Morphine/Schedule II
		RCB928	Morphine



TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
RCNX3Y	Morphine	TWMNGC	Morphine
RDPKYP	Morphine, a schedule II narcotic	TX36RW	morphine
RDVD3P	Morphine	TY4RNN	morphine
REQZNU	Morphine	U4G9ZJ	morphine
RFWZ9G	Morphine	U4RRHA	Morphine
RGNIME	Morphine	U64FUU	Morphine (salt form not determined)
RKMGHL	morphine	U6BUVV	Morphine
RLFGKQ	Morphine	U6ZTF2	MORPHINE
RNPBKW	Morphine	U84WRB	Morphine
RPGBFM	Morphine	U9H9RE	Morphine
RPXMZD	Morphine	UAWKED	Morphine
RQL8BC	Morphine	UBR9WL	Morphine
RWV83V	morphine	UDZ7JB	Morphine
RWX3LY	MORPHINE	UJN4YQ	Morphine
RX7AQF	Morphine	UJVHX7	Morphine
RXFD4D	Morphine (C-II) Found	UKW7UW	Morphine
RY8WLK	Morphine	UMLPLM	morphine
T4L9PY	Morphine	UNTZE7	Morphine - CDS II
T4U2XL	Morphine	UU29XW	Morphine
TDDR2L	Morphine	UUVCVB	Morphine
TDVJAB	morphine sulfate	UVC3L9	Morphine - CDS II
TEDJN8	Morphine	UVWWF6	Morphine
TEHG3A	Morphine	UWUXQ3	Morphine
TGB6PC	Morphine	UXW9MR	morphine
TGQPAA	Morphine	UZLJTC	morphine
TGYETE	Morphine	UZPY9X	Morphine
TGZ644	Morphine	V2VTJN	Morphine
TM7ZU3	morphine	V7L824	Morphine
TM8Q2L	Morphine	V8AB34	Morphine.
TMZP2R	Morphine	V92CXU	Morphine
TPD7F4	Morphine	V9GLW9	Morphine
TPUBW6	Morphine	V9K7NV	Morphine
TV6ATG	Morphine	VA2QXQ	morphine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
VA4DDJ	morphine	WPA6Q9	Morphine found
VAN82Z	Morphine	WQ23XF	morphine
VBKLRC	morphine	WR89PN	Morphine
VFEHCY	Morphine	WRAWDU	Morphine
VH4PZE	Morphine	WRTVCD	morphine
VJ7DMK	Morphine	WTVRG2	Morphine
VJKQZV	Morphine	WVA6JP	Morphine
VK8M63	Morphine	X2PD3T	Item 2 contained morphine.
VKL38H	Morphine	X3QZZJ	morphine
VLJ9W3	Morphine	X4UQ3F	morphine
VMJYBX	Contains Morphine	X6LZJA	Morphine
VMUBH2	Morphine	X77MDP	Morphine (Schedule II)
VNAB2Q	Morphine	X7RYHP	Morphine
VP3EEX	Morphine	X9A8DH	Morphine (Schedule II)
VPHNCR	Morphine	XB8TVA	Morphine (C-II)
VQD6FP	Morphine	XBZFRD	Morphine
VQW4HR	Morphine	XCB8Y9	Morphine
VU3K2G	Morphine	XFUGR7	morphine
VYTU7A	Morphine	XHKF8Q	Morphine
VZ4QQR	morphine	XK9KX9	Morphine
VZ874T	Morphine	XNNLK8	Morphine
W4GYF4	Morphine	XPBGPP	Substance identified to contain morphine
W4UNEU	Morphine	XRHH7F	Morphine
W6TTWQ	Morphine	XRMZ9X	Morphine
W6YTGD	Morphine	XU8RCA	Morphine
WANMUR	Morphine	XV4AB4	Morphine
WE27ER	Morphine	XVKGG8	morphine
WG6ZTQ	Morphine	XW6LHQ	Morphine
WG8Q2U	Morphine	XY2TBG	morphine
WGN3JY	Morphine	XZRXJG	morphine
WKAEXH	Morphine	Y2D83G	Morphine / Schedule II
WLVB3N	Morphine	Y3YMQJ	Morphine
WMHHUE	Morphine	Y47VPH	Morphine

TABLE 2a - Item 2 Results

WebCode	Controlled Substance Detected	WebCode	Controlled Substance Detected
Y4XMYW	Morphine	ZQ9JL4	Morphine
Y7JE77	morphine	ZTA37W	Morphine
Y8BPFZ	Morphine	ZTBTGL	Morphine II
YAYY3T	Morphine	ZW8HZ	Morphine
YBTLGH	Morphine		
YFA3VG	Morphine		
YGZ4Z6	Morphine		
YJPC7Y	Morphine		
YKFMWR	Morphine		
YMLB2C	Morphine		
YPSAHU	Morphine		
YPRRFU	Morphine		
YQKPJV	Morphine		
YUQVRZ	Morphine		
YV3LNK	Morphine		
YYZ3ZR	Morphine		
Z2HPYK	Morphine		
Z2M2RV	Morphine		
Z6G4LA	Morphine		
Z9VUFJ	Morphine		
ZAEKY4	Morphine		
ZAMVFF	Morphine		
ZDERJ2	Morphine		
ZE8NM2	Morphine		
ZE9EXQ	morphine		
ZF463J	Morphine		
ZF68MV	Morphine		
ZGNA32	morphine		
ZGTK6D	Morphine		
ZKMLY2	Morphine		
ZNUME8	morphine		
ZPQ4TP	Morphine		
ZQ4VPP	Morphine		

## Response Summary - Item 2

Participants: 620

Morphine:	617
No Controlled substance(s) detected/identified:	1
Other:	2

## Examination Methods (Item 2)

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
22KPR7	✓								✓	
23WCEQ	✓								✓	
26FK9J		✓							✓	
27A74W					✓				✓	
28MXWD	✓	✓							✓	
2A9U2K		✓							✓	ran standard for retention time comparison
2ADWCW	✓								✓	
2ATCNC	✓	✓							✓	
2BHZHE		✓			✓				✓	TruNarc
2BZTG4		✓							✓	Weight Determination
2CJDUZ	✓	✓							✓	
2DW88F	✓								✓	
2EH4CM	✓				✓				✓	
2EVJPA	✓								✓	
2J24T2	✓								✓	
2JR94M	✓								✓	
2KRCYV	✓				✓				✓	
2YNN4F	✓								✓	
32P6M4	✓	✓							✓	
32V77V	✓				✓				✓	
3368NB									✓	
3AMJ4W	✓								✓	
3AP7NU									✓	TruNarc
3CUQHV	✓	✓							✓	
3GQJMC	✓								✓	
3HL7YF	✓								✓	
3K4EVU	✓								✓	
3N3JWG	✓								✓	GC/MS on second aliquot for confirmation
3PY8AJ	✓	✓							✓	
3R4MLH	✓								✓	
3R7H7M	✓								✓	
3RJZYT	✓		✓	✓		✓			✓	
3RK4EP									✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
3RLP7C	✓	✓		✓					✓	
3RP7Q3	✓			✓					✓	ATR
3V7T3L	✓	✓							✓	
3WPX37	✓								✓	
3XTC4K	✓								✓	
3XYHRA	✓								✓	
3Y6YLL									✓	
3Y7WTB	✓	✓							✓	
42BMY3	✓								✓	
42F2C4	✓								✓	
46J4V8		✓							✓	DART-TOFMS, Weight Determination
48EJMW	✓	✓							✓	ATR
49NTD9		✓			✓				✓	
4CN462	✓	✓							✓	
4EE24U	✓								✓	
4FMHRR									✓	
4G738A	✓	✓			✓				✓	Retention time
4GN6NH	✓	✓							✓	
4KJWVU					✓				✓	
4KP2HJ	✓	✓							✓	
4LBXMQ	✓				✓				✓	
4N4WUU									✓	
4NLU88	✓				✓				✓	
4PERDT	✓	✓			✓				✓	
4RGTDQ					✓				✓	
4TJ8CK	✓							✓	✓	
4V46EG	✓	✓							✓	
4XRP8T	✓				✓				✓	
4ZE99Q	✓								✓	
628L82	✓								✓	
6A68KV									✓	DART-AgilentTOF, Electronic Balance
6BVFPQ					✓				✓	
6DWF4M	✓	✓							✓	
6F3XKY	✓								✓	
6J4X7P	✓								✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
6JZKAG	✓								✓	
6LGCXH		✓							✓	
6MBA2J	✓								✓	
6MN4DD	✓								✓	
6MVCAD							✓			QTOF LCMS
6NW77P	✓								✓	
6PYWHD									✓	Retention Time
6X7D8X	✓	✓							✓	
6XXNNF							✓		✓	
6Y2YZP	✓								✓	
6YGFTW	✓								✓	
6YLPYB	✓					✓			✓	DART-TOF
76FDNF	✓								✓	
77FAK4	✓								✓	
788HBL	✓	✓							✓	
78VJKV	✓								✓	
7BB4GJ	✓								✓	
7BWFV	✓	✓							✓	
7EAE6	✓				✓				✓	
7F2N4M		✓			✓				✓	
7HAGPZ	✓				✓				✓	
7JCRLN	✓								✓	
7LKPBY	✓							✓	✓	
7QNHNA	✓								✓	
7VTF3E		✓							✓	
7X3BTZ									✓	Weight Determination
828K7L	✓								✓	
82XDJL	✓								✓	
86J9YC		✓		✓					✓	
87NR22	✓								✓	
89FWDX	✓								✓	
89RNC4	✓								✓	
8ARHCM	✓								✓	
8G7FUE	✓	✓							✓	
8J2Y47	✓								✓	
8KR83A	✓								✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
8KUW87	✓	✓							✓	
8MXW2C		✓							✓	
8NB8EH	✓	✓			✓				✓	
8NRHWN	✓								✓	
8PGN8A		✓							✓	
8PKGXU		✓							✓	
8PMUZ4					✓				✓	
8RVA6N	✓								✓	
8WCVH3	✓								✓	
8WKNRA	✓								✓	
8XWFPK	✓	✓							✓	
8Y7J64	✓								✓	
8Z7BQP	✓								✓	
92C9DQ	✓								✓	
93AEZQ		✓							✓	DART Agilent ToF
963Q34	✓	✓				✓		✓	✓	
97PXWE	✓				✓				✓	
99X72T	✓	✓		✓					✓	
9AK27Z		✓							✓	
9AQ8UP		✓							✓	
9BLH66		✓		✓					✓	
9GAB2R		✓							✓	
9HYLRK	✓	✓							✓	
9JU8JQ	✓								✓	
9KJQT3	✓								✓	
9LDFDJ	✓								✓	
9ME2JA	✓	✓			✓				✓	
9NAL7A	✓	✓							✓	
9NQW73					✓				✓	
9PB23Z		✓							✓	
9RBTPL	✓			✓					✓	
9W8CVQ	✓				✓				✓	
9X7V3K	✓								✓	
9Z6XJM	✓			✓					✓	
A33NAL		✓			✓				✓	
A4K7MY		✓			✓	✓			✓	



TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
A4WG3W	✓								✓	
A4XAUZ		✓					✓		✓	
A6DH3D	✓	✓							✓	
A9B4QA	✓	✓							✓	
A9CRDF	✓								✓	
AAE6DF		✓			✓				✓	
AAMUYE	✓	✓							✓	
AB39DF	✓								✓	
ABAQ4L	✓								✓	
ABV7GF	✓								✓	GC/IR
AEGV2T	✓	✓		✓					✓	
AG3NZ3									✓	
AHQ37Z		✓							✓	
AKFDCL	✓								✓	
ALH8XP	✓								✓	
ANPHXZ	✓					✓			✓	
ARGP9H	✓								✓	
AUBKU4	✓	✓			✓				✓	
AUC9HA	✓	✓			✓				✓	
AVL3FV	✓			✓					✓	
AVX7DF		✓						✓	✓	
AY3MZP	✓	✓							✓	
B2KAYH	✓								✓	
B2PJ6W	✓								✓	wight determination
B7KBJX	✓								✓	GC/IR
B94K7Q	✓				✓				✓	
B9BDNL								✓	✓	TruNarc
BAF3KN									✓	
BGXKXB	✓	✓							✓	
BGZA39	✓	✓							✓	
BJYRTA	✓	✓						✓		
BK3YW3									✓	Weight determination
BKLY8	✓								✓	
BMFY9W	✓	✓							✓	
BQ8UCH		✓			✓				✓	
BRL8CL					✓				✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
BRRAY7	✓								✓	
BTAUKF	✓								✓	
BVGFWA	✓							✓	✓	
BZT97L	✓								✓	
BZUXGA	✓				✓				✓	
BZYDUB		✓							✓	
C2JMEV	✓								✓	GC/IR
C4P86G							✓		✓	
C6797X	✓	✓		✓					✓	
C6G8WM	✓				✓				✓	
C6MGWD	✓								✓	
C9J4QN	✓	✓							✓	
C9WQTB	✓								✓	
CAL2J4							✓			QTRAP LCMS
CANP8A					✓				✓	
CDZDYY	✓					✓			✓	
CEQDFH					✓				✓	
CFZJER	✓								✓	
CGD9JP	✓	✓		✓					✓	
CGV66B	✓	✓							✓	
CH9WZD	✓	✓							✓	
CHXEK8									✓	
CLQ9NG					✓				✓	
CMXAXG	✓			✓					✓	
CNHVUQ	✓	✓							✓	
CPHEYY	✓								✓	
CQLQB9		✓		✓					✓	
CQQ7PU	✓	✓							✓	
CVTAAL									✓	
CW2KXR	✓								✓	
CXL6ZG	✓	✓							✓	
DCMK2W	✓								✓	
DDBH7V	✓								✓	
DE92W4					✓				✓	
DHNKTR	✓	✓		✓					✓	
DKTV3A		✓			✓				✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
DM7Y6Y	✓								✓	
DNDTLX									✓	
DNM376	✓								✓	
DR4J9H	✓	✓							✓	
DR69FZ									✓	
DRC89N		✓							✓	DART-AgilentTOF
DTPQ6E	✓								✓	
DVBP4U					✓				✓	
DVW7KW					✓				✓	
DX3LTN	✓				✓				✓	
DXUTHF	✓	✓						✓	✓	PLM
DZGHTL	✓				✓				✓	
E28WYB	✓								✓	
E2XYPC	✓			✓					✓	
E8JR2C	✓								✓	
EA6N6J	✓								✓	
EACGPY	✓	✓							✓	
EARZAW	✓								✓	
EBH7KH	✓								✓	
ECACPF	✓				✓				✓	
ECH2FK									✓	Electronic Balance, DART Agilent TOF
ECVQJW	✓								✓	Retention time
ED7MXA	✓								✓	
EE4XTC	✓	✓							✓	GC/IR
EEJ8MZ	✓							✓	✓	
EEXMPF	✓								✓	
ER8EJE	✓			✓					✓	
ERLPDD	✓				✓				✓	
EVHDMU	✓								✓	LC/DAD
EWRH34	✓								✓	
EX23R8							✓		✓	
EX9L4B	✓								✓	
EZXUBQ									✓	weight determination
F2TURF	✓								✓	
F4Y63X	✓				✓				✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
F7K62D	✓							✓	✓	
F8C6W4	✓								✓	
F9B3ED	✓								✓	
F9NYFC	✓	✓							✓	
FA44DM	✓	✓		✓					✓	
FAJBJR	✓								✓	
FC4FKA		✓						✓	✓	
FC7WAT		✓							✓	
FEFZ4H	✓								✓	TruNarc
FETQTF		✓			✓				✓	
FFV4VN	✓					✓			✓	
FHE38X	✓	✓							✓	
FJBMRC	✓	✓			✓				✓	
FMVJLW	✓								✓	
FNNE86	✓	✓			✓				✓	
FNP6G9		✓							✓	
FNXWAB	✓	✓						✓	✓	
FQT3PF		✓					✓		✓	
FV2M42	✓								✓	
FVYUF2									✓	Two separate sampling, two GC/MS instruments used.
FXVCV9		✓							✓	
FYG9ZF	✓								✓	
G28JUR		✓							✓	GC/IR
G2NH4J	✓	✓		✓					✓	
G4BCM6	✓	✓							✓	
G6KCD8	✓	✓						✓	✓	
G96DLY					✓				✓	
GB7DJC	✓								✓	
GDY6W4	✓	✓							✓	
GFJBLX	✓	✓							✓	
GGC97R	✓								✓	
GGY9QB		✓							✓	
GKK8XR	✓								✓	
GLPQ2F	✓								✓	
GU22VT					✓				✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
GV4DFP	✓								✓	
GWBWWX		✓		✓					✓	
GWQ6U2		✓						✓	✓	
GXAX8V		✓							✓	GC retention time used for confirmation with reference standard.
GZNL8V		✓							✓	Silver Nitrate
H677YF					✓				✓	
H69AVX					✓				✓	AgNO <sub>3</sub> Test on Chloride ions
H6M77C							✓		✓	
H7EFM7	✓								✓	
H7HUK2	✓				✓				✓	
H8A3BJ	✓								✓	
H8P7YG									✓	
H94QP8	✓								✓	
H9FPKG	✓			✓					✓	
H9NEBL	✓				✓				✓	
HB8BV7	✓	✓							✓	
HDXLLY	✓								✓	
HECYE3	✓	✓			✓				✓	
HGAP3F	✓				✓				✓	
HHBD2R	✓					✓			✓	
HJ7ZEV				✓					✓	ATR
HKWYRU	✓					✓			✓	
HM9UEL	✓	✓							✓	
HVQQKE	✓								✓	
HVUCF8	✓	✓			✓				✓	
HWBAZ7	✓				✓				✓	
HX2AZ3	✓					✓			✓	
HXGW8J		✓							✓	
HYLF2L	✓	✓		✓					✓	
J2UW7W					✓				✓	
J6GGDY	✓	✓							✓	
J6TCCY	✓	✓							✓	
J6UCBD	✓								✓	
J7XNK2	✓	✓							✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
J8L4QP		✓			✓				✓	
JBZUKY	✓	✓							✓	
JD9Z9Y	✓								✓	
JG8C87	✓								✓	
JGX8W2		✓		✓					✓	
JJ4J44	✓							✓	✓	
JJQFQX	✓	✓		✓					✓	
JL6QVF									✓	
JNB27C				✓					✓	
JNTF3F		✓						✓	✓	Polarized Light Microscopy
JNYFKH									✓	DART-TOF MS
JWFFHZ	✓								✓	
JWRN69	✓								✓	
JXY8MG	✓	✓						✓	✓	
JYUN2L	✓								✓	
K3KEMN	✓								✓	
K6UJZC	✓	✓			✓				✓	
K8Y3EK	✓	✓		✓					✓	
K9DGZ9	✓	✓			✓				✓	
KED62Z	✓								✓	
KH27RH	✓								✓	
KJXXQ	✓								✓	
KJV4WH		✓							✓	
KNLD7F		✓							✓	
KP2KPP	✓								✓	
KP8WBZ		✓		✓					✓	
KR8CDW		✓							✓	NMR
KTGATY		✓		✓					✓	
KTZBD3									✓	
KV8BXM					✓				✓	
KY8MUM					✓				✓	
KZ2G7X									✓	
L3LUB9	✓	✓							✓	
L3Y9WW	✓								✓	
L3ZX6Z	✓								✓	
L6K47H	✓	✓							✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
L6NQMWW									✓	
L76QZW	✓								✓	
L8FMFA					✓				✓	
L8H2D4	✓	✓							✓	
L8UY39	✓								✓	
L8XRWM	✓								✓	
L99GAX					✓				✓	
LANQC7	✓	✓		✓			✓		✓	
LCN27K	✓								✓	
LHJJVX					✓				✓	
LJA46B	✓				✓				✓	
LJCG36	✓								✓	
LPQEER	✓					✓			✓	
LUD6V2	✓							✓	✓	
LUZRWQ	✓	✓						✓		Lateral Flow Chromatographic Immunoassay
LWFXVR	✓								✓	
LWHM36	✓				✓				✓	
M3VZ8A	✓								✓	
M44BNK	✓	✓			✓				✓	
MDVV2Y	✓								✓	
MEDLXB						✓			✓	
MF97HP	✓			✓		✓			✓	
MHCWTB	✓					✓			✓	
MMQRFY	✓							✓	✓	
MNVGC4	✓								✓	
MPANUE		✓						✓	✓	
MPW49U					✓				✓	
MQ6CD9	✓								✓	
MRL7EH	✓	✓				✓			✓	
MTPAG6	✓	✓			✓				✓	
MUQ2VZ	✓	✓		✓					✓	
MVCWZ8	✓				✓				✓	
MVGALH	✓								✓	
N4JU9H	✓								✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
N6UWVG	✓								✓	
NAPLK2	✓	✓						✓	✓	
NC2ACQ					✓				✓	
NDD37T	✓	✓							✓	
NF6V76	✓				✓				✓	
NFWCKL	✓								✓	
NGNATT	✓								✓	
NJ3HY7								✓	✓	
NMZTXE	✓								✓	
NPGK3N		✓							✓	DART/TOF-MS
NPZ84Q	✓								✓	
NTCYKL	✓								✓	
NVEXEQ	✓					✓				GC-FID-MS, DART-TOF
NX474U		✓		✓					✓	
NYP28Z	✓	✓						✓	✓	
P46RBB		✓							✓	
P47RBN		✓		✓					✓	
P4ND96					✓				✓	
P4UCKM	✓								✓	
P7C2GY	✓								✓	
P7RBC9	✓								✓	
PABDCY	✓								✓	
PB7YZB	✓	✓							✓	
PBKQKF	✓								✓	
PCZMEZ	✓								✓	
PDUM8H	✓								✓	
PE3MMX		✓							✓	
PFYZ86	✓				✓				✓	
PKQCRU	✓								✓	
PLR7WT									✓	HFBA chemical derivatization
PMHB8E	✓	✓						✓	✓	Test for chloride salts
PNEPXQ	✓								✓	
PQW2D9	✓								✓	
PTX47Q	✓	✓							✓	
PTZRLA		✓			✓				✓	



TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
PUUPPA		✓							✓	
PUVFZX	✓								✓	
PVCJPW		✓		✓					✓	
PVW3WP					✓				✓	
PZAU BW		✓							✓	
Q2AGY8	✓								✓	
Q36BCH									✓	
Q42P3U	✓	✓			✓				✓	
Q4CKC3	✓	✓							✓	
Q8KND4	✓								✓	
Q9DMEB	✓								✓	
QD98X8	✓				✓				✓	
QDJG XK	✓	✓							✓	
QE7HUA	✓				✓				✓	
QFGJF9	✓				✓				✓	weight determination
QFUVCT	✓								✓	Dual GC/MS
QG3FKF	✓								✓	
QJD8RA	✓	✓		✓					✓	
QK3LBR		✓							✓	
QKPRYX	✓								✓	
QMBN46	✓								✓	
QRKWCM					✓				✓	TruNarc Analyzer
QWW2UN									✓	
QY7QQ8	✓	✓			✓				✓	
QYBBHU	✓	✓							✓	Retention time confirmation with standard
QZHE8C	✓	✓		✓					✓	
QZNV2	✓								✓	
QZZFU2	✓								✓	
RC3PFN	✓	✓							✓	
RCB928	✓	✓							✓	
RCNX3Y									✓	
RDPKYP					✓				✓	
RDVD3P									✓	
REQZNU									✓	
RFWZ9G					✓				✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
RGNYME	✓								✓	
RKMGHL	✓								✓	
RLFGKQ	✓	✓							✓	GC retention time confirmation
RNPBKW	✓								✓	
RPGBFM		✓							✓	TOF
RPXMZD	✓	✓							✓	
RQL8BC	✓								✓	
RWV83V	✓	✓							✓	
RWX3LY									✓	
RX7AQF	✓								✓	
RXFD4D	✓	✓							✓	
RY8WLK	✓				✓				✓	
T4L9PY	✓							✓	✓	
T4U2XL	✓								✓	
TDDR2L	✓	✓							✓	
TDVJAB		✓							✓	PLM, AccuTOF DART, SEM/EDS
TEDJN8	✓			✓					✓	
TEHG3A	✓							✓	✓	
TGB6PC	✓	✓		✓					✓	
TGQPAA									✓	TruNarc Device
TGYETE									✓	
TGZ644	✓	✓			✓				✓	
TM7ZU3	✓	✓							✓	
TM8Q2L	✓								✓	
TMZP2R	✓								✓	
TPD7F4	✓	✓		✓					✓	
TPUBW6	✓				✓				✓	FTIR with ATR accessory
TV6ATG	✓					✓			✓	
TWMNGC	✓								✓	
TX36RW	✓	✓							✓	
TY4RNN					✓				✓	
U4G9ZJ	✓	✓							✓	
U4RRHA	✓					✓			✓	
U64FUU	✓	✓							✓	
U6BUVV	✓	✓						✓	✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
U6ZTF2	✓								✓	
U84WRB	✓								✓	Weight determination
U9H9RE	✓								✓	
UAWKED	✓								✓	
UBR9WL		✓			✓				✓	
UDZ7JB	✓	✓		✓					✓	
UJN4YQ	✓								✓	Retention time confirmation
UJVHX7		✓						✓	✓	
UKW7UW	✓	✓							✓	
UMLPLM	✓								✓	
UNTZE7	✓								✓	
UU29XW	✓								✓	
UUVCVB	✓							✓	✓	
UVC3L9	✓								✓	
UVWWF6	✓			✓					✓	
UWUXQ3					✓				✓	TruNarc
UXW9MR					✓				✓	
UZLJTC	✓	✓							✓	
UZPY9X	✓								✓	
V2VTJN	✓	✓							✓	
V7L824	✓								✓	
V8AB34	✓				✓				✓	
V92CXU	✓	✓							✓	
V9GLW9	✓								✓	
V9K7NV	✓								✓	
VA2QXQ							✓		✓	
VA4DDJ	✓								✓	
VAN82Z	✓								✓	
VBKLRC					✓				✓	
VFEHCY	✓								✓	
VH4PZE					✓				✓	
VJ7DMK	✓								✓	pH
VJKQZV	✓	✓							✓	GCIR
VK8M63	✓								✓	
VKL38H	✓								✓	
VLJ9W3	✓	✓							✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
VMJYBX	✓	✓		✓			✓		✓	
VMUBH2	✓								✓	
VNAB2Q		✓			✓				✓	
VP3EEX	✓	✓							✓	
VPHNCR									✓	
VQD6FP					✓				✓	
VQW4HR	✓								✓	
VU3K2G	✓								✓	
VYTU7A	✓								✓	Weight determination
VZ4QQR		✓							✓	
VZ874T	✓	✓							✓	
W4GYF4	✓				✓				✓	
W4UNEU									✓	
W6TTWQ	✓								✓	
W6YTGD					✓				✓	
WANMUR	✓	✓							✓	
WE27ER	✓	✓							✓	
WG6ZTQ	✓	✓						✓	✓	
WG8Q2U	✓	✓							✓	
WGN3JY	✓	✓							✓	
WKAEXH	✓	✓							✓	
WLVB3N									✓	
WMHHUE	✓								✓	
WPA6Q9	✓	✓		✓					✓	
WQ23XF	✓							✓	✓	
WR89PN		✓			✓				✓	
WRAWDU	✓	✓							✓	GC/IR
WRTVCD	✓	✓							✓	
WTVRG2	✓								✓	
WVA6JP		✓		✓					✓	
X2PD3T	✓								✓	
X3QZZJ	✓				✓				✓	
X4UQ3F	✓								✓	
X6LZJA								✓	✓	
X77MDP	✓	✓							✓	
X7RYHP		✓							✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
X9A8DH	✓								✓	DART-TOF MS
XB8TVA	✓								✓	
XBZFRD		✓			✓				✓	GC for retention time
XCB8Y9	✓								✓	
XFUGR7	✓								✓	
XHKF8Q		✓							✓	Microscope
XK9KX9	✓								✓	
XNNLK8	✓								✓	
XPBGPP	✓	✓							✓	
XRHH7F	✓								✓	
XRMZ9X							✓		✓	
XU8RCA									✓	
XV4AB4	✓	✓		✓					✓	
XVKG8	✓								✓	
XW6LHQ		✓		✓					✓	
XY2TBG	✓						✓		✓	
XZRJG	✓	✓		✓					✓	
Y2D83G	✓	✓							✓	
Y3YMQJ	✓						✓		✓	
Y47VPH									✓	
Y4XMYW	✓								✓	
Y7JE77	✓								✓	
Y8BPFZ	✓	✓							✓	
YAYY3T	✓	✓							✓	
YBTLGH	✓							✓	✓	DART-TOF
YFA3VG							✓		✓	
YGZ4Z6	✓								✓	
YJPC7Y	✓	✓		✓					✓	
YKFMWR	✓						✓		✓	
YMLB2C							✓		✓	
YPDAHU	✓								✓	
YPRRFU	✓								✓	
YQKPJV	✓								✓	
YUQVRZ		✓							✓	DART-Agilent TOF Mass Spectrometry
YV3LNX	✓	✓					✓		✓	

TABLE 2b

WebCode	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS	Other
YYZ3ZR	✓	✓			✓				✓	
Z2HPYK	✓	✓							✓	
Z2M2RV	✓				✓				✓	
Z6G4LA		✓			✓				✓	
Z9VUFJ	✓								✓	
ZAEKY4	✓	✓							✓	
ZAMVFF	✓	✓							✓	
ZDERJ2	✓								✓	
ZE8NM2		✓							✓	
ZE9EXQ	✓								✓	
ZF463J	✓								✓	
ZF68MV	✓			✓					✓	
ZGNA32					✓				✓	
ZGTK6D	✓	✓							✓	
ZKMLY2	✓	✓							✓	
ZNUME8		✓							✓	weight determination
ZPQ4TP	✓								✓	
ZQ4VPP	✓								✓	
ZQ9JL4	✓								✓	
ZTA37W									✓	GC-FID
ZTBTGL	✓	✓			✓				✓	
ZV8HZ	✓				✓				✓	

### Response Summary

Participants	Color	FTIR	LC	UV	GC	TLC	LC/MS	Raman	GC/MS
620	448	228	1	50	116	19	12	33	615
Percent	72%	37%	0.2%	8%	19%	3%	2%	5%	99%

# Additional Comments

TABLE 3

WebCode	Additional Comments
22KPR7	Test Item #1 possible presence of lactose.
2ATCNC	FTIR data not used as a basis for identification.
42F2C4	Item 2, also confirmed for small amount of Codeine, but will not be reported due to possible conversion/degradation.
4V46EG	Item 1 contains material consistent with lactose. Item 2 contains material consistent with a starch.
6YLPYB	#1: Ziplock plastic bag heat-sealed, no tape or initials... glassine packet folded and taped with a label designating it Item #1. No initials on packet. #2: Packaged identically to Item #1 except taped with label designating it Item #2. No initials on packet. #1 and #2: I upgraded ziplock plastic bag's heat-seal with my initials and tape.
7LKPBY	Item 1 contains lactose
7VTF3E	Item 1 had material consistent with lactose. Item 2 had material consistent with starch.
828K7L	Item 1 contains lactose.
86J9YC	Lactose was identified in Item 1.
89FWDX	Lactose was indicated in (Item 1) but was unable to confirm.
8MXW2C	Item 1 contained lactose.
9AQ8UP	lactose was identified in Item 1
9BLH66	Analysis of Item 1 indicated the presence of Lactose, which is not a controlled substance.
9JU8JQ	Item 1 was analyzed using data from two different GC/MS instruments. Item 2 was analyzed using data from two different GC/MS instruments.
9PB23Z	For Item 1, FTIR identifies lactose. For Item 2, FTIR identifies starch.
ALH8XP	Lactose detected in FTIR for Item 1.
BJYRTA	Item 1 contains Alpha-Lactose monohydrate. Item 2 Morphine (Schedule II controlled substance)
BK3YW3	Two portions of item 1 and two portions of item 2 were tested.
BVGFWA	Raman used was TruNarc handheld scanning device.
C4P86G	Morphine may be controlled by either Schedule II or Schedule III of the Controlled Substances Act. For further information see US Code of Federal Regulations Title 21 Section 1308.
C6G8WM	For Item 2, the GC used was a GC-FID.
CDZDYY	Item 1 indicated the presence of alpha-Lactose.
CEQDFH	Item 1 determined to be lactose.
CMXAXG	Item 1 0.295 gram, No controlled substances identified. Item 2 0.272 gram, morphine, schedule II
DKTV3A	Item 1 held 0.29 gram and contains lactose. Item 2 held 0.27 gram.
DXUTHF	Item 1 was identified as lactose.
ER8EJE	Possible lactose detected in Item 1
FJBMRC	Item 1 detected lactose mono hydrate via FT-IR only.
FXVCV9	No controlled or related substances identified in Exhibit 1. Morphine was identified in Exhibit 2. Morphine may be controlled by either Schedule II or Schedule III of the Controlled Substances Act. For further information see US Code of Federal Regulations Title 21 Section 1308.
GU22VT	The concentration of morphine in Item #2 was low and required a second, more robust sample on the GC and GC/MS.

TABLE 3

WebCode	Additional Comments
GWBWWX	Analysis of Item 1 indicated the presence of Lactose
GZNL8V	Item 1: The presence of lactose was detected but not confirmed. Item 2: The presence of a starch was detected but not confirmed.
H69AVX	Percentage concentration of controlled substance (Morphine hydrochloride) in the Item 2 is 5,83%
H7HUK2	MeOH and CHCl <sub>3</sub> extracts were done on each item.
HJ7ZEV	ITEM 1 INDICATED THE PRESENCE OF LACTOSE.
J7XNK2	Analysis indicated the powder in Item 1 contained lactose. Analysis indicated the powder in Item 2 contained cornflour. Analysis also indicated the powder in Item 2 contained acetylcodeine, however this was unable to be confirmed.
JGX8W2	Lactose indicated in Item #1.
JNYFKH	Item 1 and 2 were also weighed on an electronic balance.
KTGATY	Item 1 indicated the presence of Lactose.
LCN27K	Lactose Indicated, but not confirmed for Item 1.
MPANUE	Note: For Item 1 No controlled substances present. Confirmed to contain Lactose.
PVCJPW	Item 1 indicated the presence of Lactose, which is a non controlled substance.
Q2AGY8	Item 1 - testing indicated lactose
Q36BCH	Lab does not test for salts or diluents.
QJD8RA	Possible lactose detected in item 1 by FTIR.
QMBN46	Used two different GC/MS instruments for each item.
TEDJN8	Possible lactose detected in item 1
TGYETE	Lab does not test for salts or diluents.
U4RRHA	Item 1 indication Lactose.
U64FUU	Item #1 contains a substance consistent with lactose.
UVWWF6	Lactose was detected by FTIR in Item 1.
V9GLW9	RESULTS AND CONCLUSIONS: Item 1 - No dangerous drugs or narcotic drugs as defined by [State Statutes], were detected. Item 2 - Morphine a narcotic drug in a usable condition 282.1 milligrams +/- 1.6 milligrams net weight as received. Coverage probability: Reported weight(s) are given with a coverage probability of 99.73%
VAN82Z	GC/MS testing was done in duplicate for both items
VMJYBX	Chemist identified Item 1 to Contain Lactose
VNAB2Q	Item 1 was a sealed manila envelope holding a sealed plastic bag with a folded glassine bag containing 0.29 gram of white powder. The powder was analyzed and no controlled substances or known drugs of abuse were detected in the powder. Lactose was indicated but was not conclusively identified. Item 2 was a sealed manila envelope holding a sealed plastic bag with a folded glassine bag containing 0.28 gram of white powder. The powder was analyzed and found to contain morphine.
VU3K2G	Net weights were obtained for each item
VZ4QQR	Item 1 was found to contain a compound consistent with lactose.
W6TTWQ	Lactose was detected in Item 1.
X6LZJA	Item 1 was identified as Lactose.
XPBGPP	Item 1, substance identified to contain lactose. Item 2, in addition to controlled item identified; identified to contain corn starch.



TABLE 3

WebCode	Additional Comments
XU8RCA	Lab does not test for salts or diluents.
Y8BPFZ	Item 1 was found to contain lactose. Item 2 was found to contain a material similar in nature to flour, or a starch based compound.
ZAMVFF	Lactose identified in Item 1.
ZQ9JL4	I found Item 1 to contain lactose monohydrate.

-End of Report-  
(Appendix may follow)

## Test No. 20-5001: Drug Analysis

DATA MUST BE SUBMITTED BY **June 22, 2020, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: WKT74L

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 powdered substances for analysis. Please examine the samples and determine if any controlled substances are present.

*Please note: The controlled status of substances is based on the list in section 1308 of Title 21 Code of Federal Regulations under the United States Controlled Substances Act.*

**Items Submitted (Sample Pack DA1):**

Item 1: First powdered substance

Item 2: Second powdered substance

**1a.) Were any controlled substances present in Item 1? If yes, list each substance.**

- No controlled substance detected/identified       Controlled Substance(s) detected/identified  
(please list below).

Indicate salt form if determined.

**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

Other (specify):

**2a.) Were any controlled substances present in Item 2? If yes, list each substance.**

- No controlled substance detected/identified  Controlled Substance(s) detected/identified  
(please list below).  
Indicate salt form if determined.

**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

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)