Brazoria County Crime Lab

Seized Drugs Section

FTIR Maintenance Log

Instrument: FTIR **Month/Year:** July 2025

Entry Number	Date	Alignment	ValPro Qualification	Known Standard Verification	Maintenance/PM	Analyst/Technician	Comments	Initials
1	7/7/2025	✓	Pass	✓	Maintenance	Analyst		DS
2	7/14/2025	✓	Pass	✓	Maintenance	Analyst		KB
3	7/21/2025	✓	Pass	✓	Maintenance	Analyst		KB
4	7/28/2025	✓	Pass	✓	Maintenance	Analyst		KB

Signature: Kayla M. Baylor Digitally signed by Kayla M. Baylor Date: 2025.10.08 07:56:24 -05'00' **Date:** 10/8/2025

ValPro Qualification Report

Qualification test: Nicolet iS20 KBr - Factory (CP,JP,PHEUR,PV,USP) - PV
Operator: OMNICAdmin
Date: Monday, July 7, 2025 9:06:41 AM (GMT-05:00)
Instrument: Nicolet iS20 Serial number: BEP2210424
Filename: Nicolet iS20 KBr - Factory (CP,JP,PHEUR,PV,USP) - PV_20250707_090641.spg

Test description	High limit	Low limit	Measured	Result
CP Wavenumber accuracy				
Peak at 3027.0 (cm-1)	3032.0	3022.0	3025.5	Pass
Peak at 2851.0 (cm-1)	2856.0	2846.0	2849.3	Pass
Peak at 1601.0 (cm-1)	1602.0	1600.0	1601.0	Pass
Peak at 1028.0 (cm-1)	1029.0	1027.0	1028.3	Pass
Peak at 907.0 (cm-1)	908.0	906.0	906.6	Pass
CP Optical resolution				
Resolution 2870 - 2849.5 (%T)	100.00	18.00	37.00	Pass
Resolution 1589 - 1583 (%T)	100.00	12.00	24.00	Pass
CP Peak Resolution				
Peaks between 3120 and 2850 cm-1	7	7	7	Pass
JP Wavenumber accuracy				
Peak at 3060.0 (cm-1)	3061.5	3058.5	3059.5	Pass
Peak at 2849.5 (cm-1)	2851.0	2848.0	2849.3	Pass
Peak at 1942.9 (cm-1)	1944.4	1941.4	1942.4	Pass
Peak at 1601.2 (cm-1)	1602.2	1600.2	1601.0	Pass
Peak at 1583.0 (cm-1)	1584.0	1582.0	1582.9	Pass
Peak at 1154.5 (cm-1)	1155.5	1153.5	1154.4	Pass
Peak at 1028.3 (cm-1)	1029.3	1027.3	1028.3	Pass
JP Optical resolution				
Resolution 2870 - 2849.5 (%T)	100.00	18.00	37.00	Pass
Resolution 1589 - 1583 (%T)	100.00	12.00	24.00	Pass
JP Repeatability				
Peak at 3027.1 (cm-1)	5.00	-5.00	0.00	Pass
Peak at 1028.3 (cm-1)	1.00	-1.00	0.00	Pass
Intensity at 2849.5 (%T)	0.50	-0.50	0.01	Pass
Intensity at 1028.3 (%T)	0.50	-0.50	0.02	Pass
PHEUR Wavenumber accuracy				
Peak at 3060.0 (cm-1)	3061.0	3059.0	3059.5	Pass
Peak at 1601.2 (cm-1)	1602.2	1600.2	1601.0	Pass
Peak at 1028.3 (cm-1)	1029.3	1027.3	1028.3	Pass
Peak at 906.6 (cm-1)	907.6	905.6	906.6	Pass
PHEUR Optical resolution				
Resolution 2870 - 2849.5 (Abs)	10.00	0.33	0.44	Pass
Resolution 1589 - 1583 (Abs)	10.00	0.08	0.13	Pass
PV Energy ratio				
Energy ratio 4000 / 2000	1.00	0.20	0.34	Pass
Energy ratio 2000 / 1000	4.00	0.80	1.47	Pass

PV Noise level

P-P noise 4050 - 3950 (%T)	0.25	0.00	0.02	Pass
P-P noise 2050 - 1950 (%T)	0.221	0.00	0.017	Pass
P-P noise 1050 - 950 (%T)	0.10	0.00	0.01	Pass
P-P noise 550 - 450 (%T)	1.50	0.00	0.16	Pass
RMS noise 4050 - 3950	0.05	0.00	0.00	Pass
RMS noise 2050 - 1950	0.039	0.00	0.004	Pass
RMS noise 1050 - 950	0.014	0.00	0.003	Pass
RMS noise 550 - 450	0.30	0.00	0.03	Pass

PV Detector linearity

Slope	1.10	0.90	1.05	Pass
Intercept (%T)	1.00	-1.00	0.01	Pass

USP Wavenumber accuracy

Peak at 3060.0 (cm-1)	3061.0	3059.0	3059.5	Pass
Peak at 2849.5 (cm-1)	2850.5	2848.5	2849.3	Pass
Peak at 1942.9 (cm-1)	1943.9	1941.9	1942.3	Pass
Peak at 1601.2 (cm-1)	1602.2	1600.2	1601.0	Pass
Peak at 1583.0 (cm-1)	1584.0	1582.0	1582.9	Pass
Peak at 1154.5 (cm-1)	1155.5	1153.5	1154.4	Pass
Peak at 1028.3 (cm-1)	1029.3	1027.3	1028.3	Pass

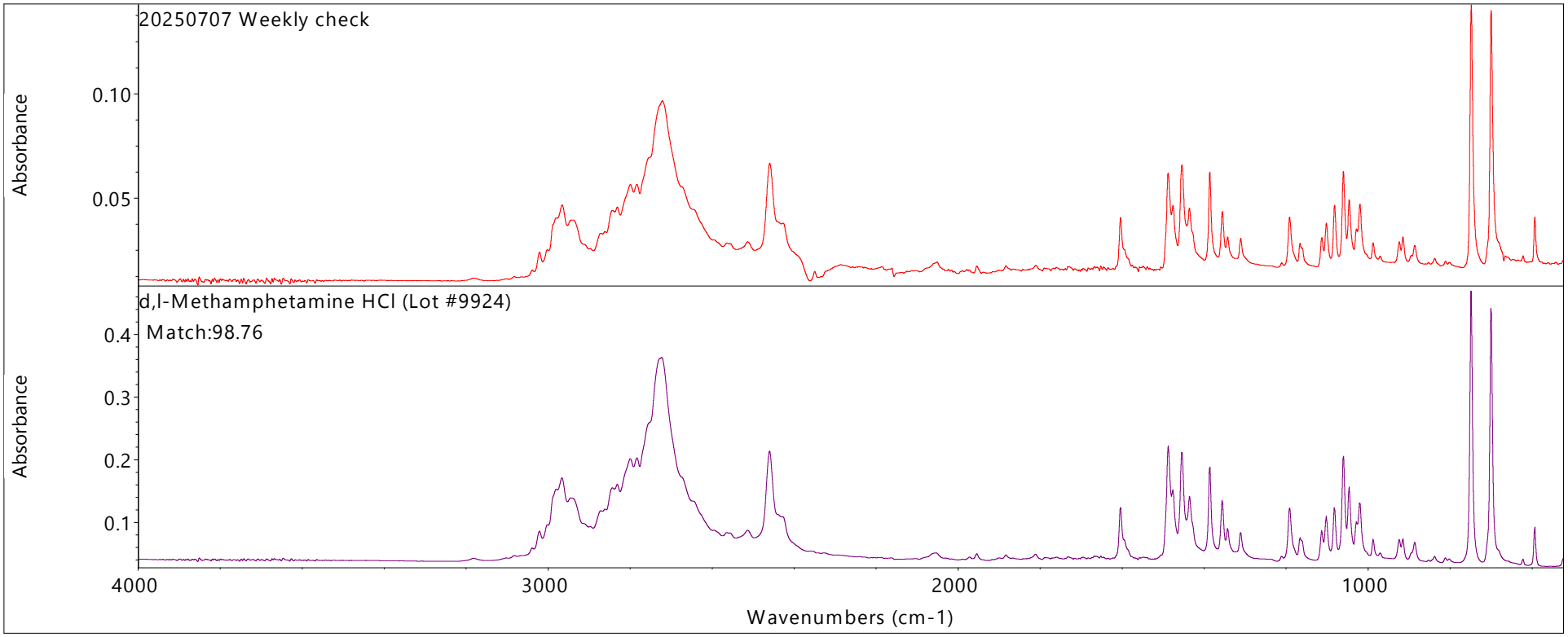
Performed by: _____ Title: _____ Date: _____

Approved by: _____ Title: _____ Date: _____

Comments: _____

Digital comment(s):
No digital comments found.

BCCL Nicolet FTIR iS20 20250707 Weekly check Mon Jul 07 15:00:18 2025 (GMT-05:00)



Collection time: Mon Jul 07 14:57:46 2025 (GMT-05:(

Detector: DTGS KBr
Beamsplitter: KBr
Source: IR

Number of sample scans: 16
Number of background scans: 16
Resolution: 4.000
Sample gain: 1.0
Optical velocity: 0.4747
Aperture: 80.00

Spectrum: 20250707 Weekly check
Region: 3999.81-525.03
Search type: Correlation
Hit List:

Index	Match	Compound name	Library
278	98.76	d,l-Methamphetamine HCl (Lot #9924)	Master SFL1 FTIR library v. 082719
207	97.94	d-Methamphetamine HCl (Lot #406D)	Master SFL1 FTIR library v. 082719
155	96.46	l-methamphetamine HCl (Lot #STD 570.1)	Master SFL1 FTIR library v. 082719
131	57.12	BZP diHCl (Lot #ALB90-5)	Master SFL1 FTIR library v. 082719
530	48.25	dl-N-Methylephedrine HCl (Lot #10675)	Master SFL1 FTIR library v. 082719
512	47.51	Ephedrine base (Lot #02502DU)	Master SFL1 FTIR library v. 082719
243	45.11	APP-CHMINACA (Lot #0467677-8)	Master SFL1 FTIR library v. 082719
595	44.80	para-Methoxy furanyl fentanyl HCl (Lot # 0546725-1)	Master SFL1 FTIR library v. 082719
607	43.93	5-Fluoro-CUMYL-PINACA (Lot #0546719-1)	Master SFL1 FTIR library v. 082719
213	42.38	N,N-Dimethylamphetamine HCl (Lot #H-0402 -(S)-02)	Master SFL1 FTIR library v. 082719

Mon Jul 07 15:00:13 2025 (GMT-05:00)
FIND PEAKS:
Spectrum: 20250707 Weekly check
Region: 4000.1 525.0
Absolute threshold: 0.036
Sensitivity: 50
Peak list:

Position:	592.5	Intensity:	0.0409
Position:	699.0	Intensity:	0.140
Position:	747.6	Intensity:	0.143
Position:	1019.1	Intensity:	0.0469
Position:	1045.4	Intensity:	0.0491
Position:	1059.5	Intensity:	0.0627
Position:	1081.0	Intensity:	0.0464
Position:	1100.9	Intensity:	0.0379
Position:	1190.7	Intensity:	0.0407
Position:	1354.8	Intensity:	0.0435
Position:	1385.5	Intensity:	0.0624
Position:	1435.1	Intensity:	0.0451
Position:	1453.3	Intensity:	0.0658
Position:	1487.0	Intensity:	0.0618
Position:	1603.2	Intensity:	0.0406
Position:	2458.9	Intensity:	0.0666
Position:	2720.9	Intensity:	0.0965
Position:	2965.3	Intensity:	0.0465

ValPro Qualification Report

Qualification test: Nicolet iS20 KBr - Factory (CP,JP,PHEUR,PV,USP) - PV
Operator: OMNICAdmin
Date: Monday, July 14, 2025 8:17:43 AM (GMT-05:00)
Instrument: Nicolet iS20 Serial number: BEP2210424
Filename: Nicolet iS20 KBr - Factory (CP,JP,PHEUR,PV,USP) - PV_20250714_081743.spg

Test description	High limit	Low limit	Measured	Result
CP Wavenumber accuracy				
Peak at 3027.0 (cm-1)	3032.0	3022.0	3025.5	Pass
Peak at 2851.0 (cm-1)	2856.0	2846.0	2849.3	Pass
Peak at 1601.0 (cm-1)	1602.0	1600.0	1601.0	Pass
Peak at 1028.0 (cm-1)	1029.0	1027.0	1028.3	Pass
Peak at 907.0 (cm-1)	908.0	906.0	906.6	Pass
CP Optical resolution				
Resolution 2870 - 2849.5 (%T)	100.00	18.00	37.00	Pass
Resolution 1589 - 1583 (%T)	100.00	12.00	24.00	Pass
CP Peak Resolution				
Peaks between 3120 and 2850 cm-1	7	7	7	Pass
JP Wavenumber accuracy				
Peak at 3060.0 (cm-1)	3061.5	3058.5	3059.5	Pass
Peak at 2849.5 (cm-1)	2851.0	2848.0	2849.3	Pass
Peak at 1942.9 (cm-1)	1944.4	1941.4	1942.4	Pass
Peak at 1601.2 (cm-1)	1602.2	1600.2	1601.0	Pass
Peak at 1583.0 (cm-1)	1584.0	1582.0	1582.9	Pass
Peak at 1154.5 (cm-1)	1155.5	1153.5	1154.4	Pass
Peak at 1028.3 (cm-1)	1029.3	1027.3	1028.3	Pass
JP Optical resolution				
Resolution 2870 - 2849.5 (%T)	100.00	18.00	37.00	Pass
Resolution 1589 - 1583 (%T)	100.00	12.00	24.00	Pass
JP Repeatability				
Peak at 3027.1 (cm-1)	5.00	-5.00	-0.01	Pass
Peak at 1028.3 (cm-1)	1.00	-1.00	0.00	Pass
Intensity at 2849.5 (%T)	0.50	-0.50	-0.02	Pass
Intensity at 1028.3 (%T)	0.50	-0.50	0.03	Pass
PHEUR Wavenumber accuracy				
Peak at 3060.0 (cm-1)	3061.0	3059.0	3059.5	Pass
Peak at 1601.2 (cm-1)	1602.2	1600.2	1601.0	Pass
Peak at 1028.3 (cm-1)	1029.3	1027.3	1028.3	Pass
Peak at 906.6 (cm-1)	907.6	905.6	906.6	Pass
PHEUR Optical resolution				
Resolution 2870 - 2849.5 (Abs)	10.00	0.33	0.44	Pass
Resolution 1589 - 1583 (Abs)	10.00	0.08	0.13	Pass
PV Energy ratio				
Energy ratio 4000 / 2000	1.00	0.20	0.35	Pass
Energy ratio 2000 / 1000	4.00	0.80	1.48	Pass

PV Noise level

P-P noise 4050 - 3950 (%T)	0.25	0.00	0.02	Pass
P-P noise 2050 - 1950 (%T)	0.221	0.00	0.013	Pass
P-P noise 1050 - 950 (%T)	0.10	0.00	0.02	Pass
P-P noise 550 - 450 (%T)	1.50	0.00	0.26	Pass
RMS noise 4050 - 3950	0.05	0.00	0.00	Pass
RMS noise 2050 - 1950	0.039	0.00	0.003	Pass
RMS noise 1050 - 950	0.014	0.00	0.003	Pass
RMS noise 550 - 450	0.30	0.00	0.05	Pass

PV Detector linearity

Slope	1.10	0.90	1.05	Pass
Intercept (%T)	1.00	-1.00	0.01	Pass

USP Wavenumber accuracy

Peak at 3060.0 (cm-1)	3061.0	3059.0	3059.5	Pass
Peak at 2849.5 (cm-1)	2850.5	2848.5	2849.3	Pass
Peak at 1942.9 (cm-1)	1943.9	1941.9	1942.4	Pass
Peak at 1601.2 (cm-1)	1602.2	1600.2	1601.0	Pass
Peak at 1583.0 (cm-1)	1584.0	1582.0	1582.9	Pass
Peak at 1154.5 (cm-1)	1155.5	1153.5	1154.4	Pass
Peak at 1028.3 (cm-1)	1029.3	1027.3	1028.3	Pass

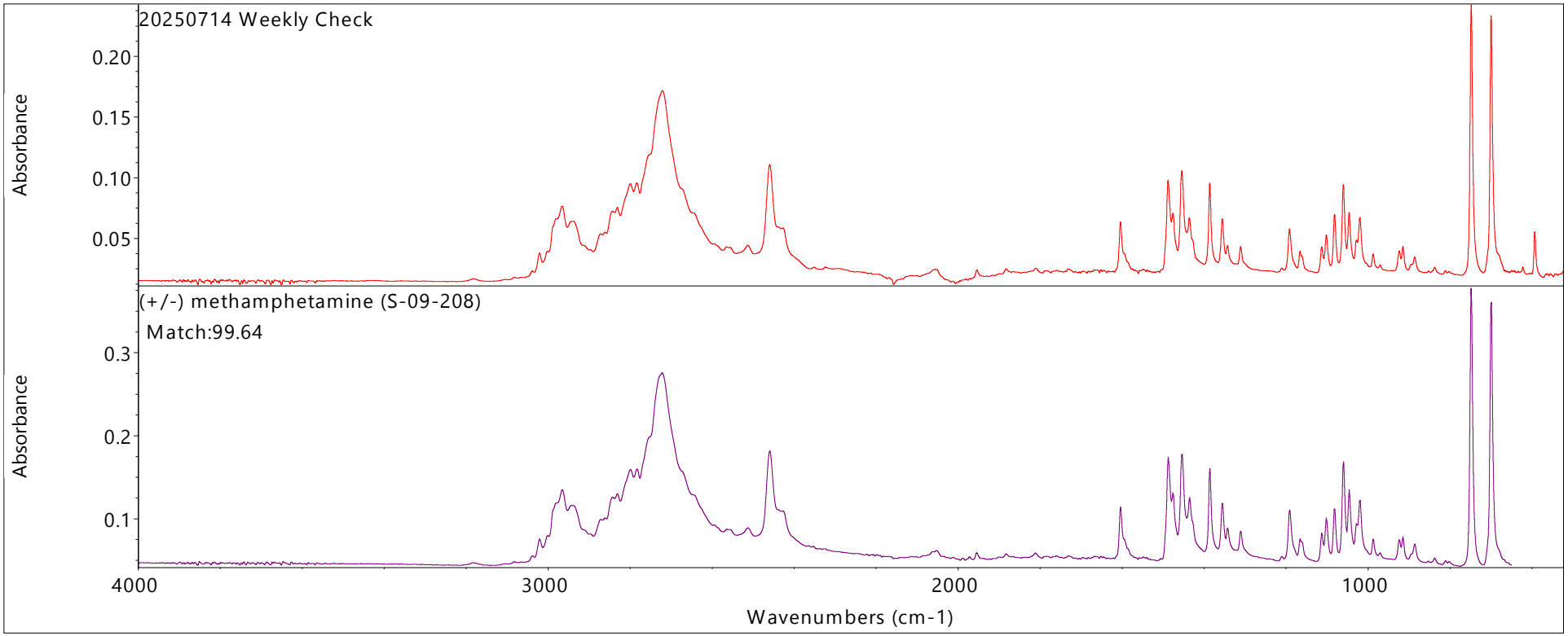
Performed by: _____ Title: _____ Date: _____

Approved by: _____ Title: _____ Date: _____

Comments: _____

Digital comment(s):
No digital comments found.

BCCL Nicolet FTIR iS20 20250714 Weekly Check Mon Jul 14 09:26:17 2025 (GMT-05:00)



Collection time: Mon Jul 14 09:25:18 2025 (GMT-05:(

Detector: DTGS KBr
Beamsplitter: KBr
Source: IR

Number of sample scans: 16
Number of background scans: 16
Resolution: 4.000
Sample gain: 1.0
Optical velocity: 0.4747
Aperture: 80.00

Spectrum: 20250714 Weekly Check
Region: 3999.64-649.89
Search type: Correlation

Hit List:

Index	Match	Compound name	Library
3	99.64	(+/-) methamphetamine (S-09-208)	BCCL Drug
1	98.76	Methamphetamine HCl (S-09-204)	BCCL Drug
14	31.08	d,l Amphetamine sulfate (S-09-207)	BCCL Drug
13	29.65	d Amphetamine sulfate (S-09-205)	BCCL Drug
30	20.04	Methocarbamol (S-18-033)	BCCL Drug
34	16.41	Pregabalin (S-24-003)	BCCL Drug
8	15.37	Caffeine (S-23-022)	BCCL Drug
16	14.29	Dimethyl sulfone (S-23-019)	BCCL Drug
7	12.45	Benzocaine (C-10-0049)	BCCL Drug
35	12.24	Trazodone HCl (S-24-004)	BCCL Drug

Mon Jul 14 09:26:14 2025 (GMT-05:00)
FIND PEAKS:
Spectrum: 20250714 Weekly Check
Region: 4000.1 525.0
Absolute threshold: 0.127
Sensitivity: 50
Peak list:

Position:	699.1	Intensity:	0.233
Position:	747.6	Intensity:	0.243
Position:	2720.9	Intensity:	0.172

ValPro Qualification Report

Qualification test: Nicolet iS20 KBr - Factory (CP,JP,PHEUR,PV,USP) - PV
Operator: OMNICAdmin
Date: Monday, July 21, 2025 6:59:40 AM (GMT-05:00)
Instrument: Nicolet iS20 Serial number: BEP2210424
Filename: Nicolet iS20 KBr - Factory (CP,JP,PHEUR,PV,USP) - PV_20250721_065940.spg

Test description	High limit	Low limit	Measured	Result
CP Wavenumber accuracy				
Peak at 3027.0 (cm-1)	3032.0	3022.0	3025.4	Pass
Peak at 2851.0 (cm-1)	2856.0	2846.0	2849.3	Pass
Peak at 1601.0 (cm-1)	1602.0	1600.0	1601.0	Pass
Peak at 1028.0 (cm-1)	1029.0	1027.0	1028.3	Pass
Peak at 907.0 (cm-1)	908.0	906.0	906.6	Pass
CP Optical resolution				
Resolution 2870 - 2849.5 (%T)	100.00	18.00	37.00	Pass
Resolution 1589 - 1583 (%T)	100.00	12.00	24.00	Pass
CP Peak Resolution				
Peaks between 3120 and 2850 cm-1	7	7	7	Pass
JP Wavenumber accuracy				
Peak at 3060.0 (cm-1)	3061.5	3058.5	3059.5	Pass
Peak at 2849.5 (cm-1)	2851.0	2848.0	2849.3	Pass
Peak at 1942.9 (cm-1)	1944.4	1941.4	1942.4	Pass
Peak at 1601.2 (cm-1)	1602.2	1600.2	1601.0	Pass
Peak at 1583.0 (cm-1)	1584.0	1582.0	1582.9	Pass
Peak at 1154.5 (cm-1)	1155.5	1153.5	1154.4	Pass
Peak at 1028.3 (cm-1)	1029.3	1027.3	1028.3	Pass
JP Optical resolution				
Resolution 2870 - 2849.5 (%T)	100.00	18.00	37.00	Pass
Resolution 1589 - 1583 (%T)	100.00	12.00	24.00	Pass
JP Repeatability				
Peak at 3027.1 (cm-1)	5.00	-5.00	0.00	Pass
Peak at 1028.3 (cm-1)	1.00	-1.00	0.00	Pass
Intensity at 2849.5 (%T)	0.50	-0.50	0.01	Pass
Intensity at 1028.3 (%T)	0.50	-0.50	0.01	Pass
PHEUR Wavenumber accuracy				
Peak at 3060.0 (cm-1)	3061.0	3059.0	3059.5	Pass
Peak at 1601.2 (cm-1)	1602.2	1600.2	1601.0	Pass
Peak at 1028.3 (cm-1)	1029.3	1027.3	1028.3	Pass
Peak at 906.6 (cm-1)	907.6	905.6	906.6	Pass
PHEUR Optical resolution				
Resolution 2870 - 2849.5 (Abs)	10.00	0.33	0.44	Pass
Resolution 1589 - 1583 (Abs)	10.00	0.08	0.13	Pass
PV Energy ratio				
Energy ratio 4000 / 2000	1.00	0.20	0.35	Pass
Energy ratio 2000 / 1000	4.00	0.80	1.48	Pass

PV Noise level

P-P noise 4050 - 3950 (%T)	0.25	0.00	0.01	Pass
P-P noise 2050 - 1950 (%T)	0.221	0.00	0.006	Pass
P-P noise 1050 - 950 (%T)	0.10	0.00	0.01	Pass
P-P noise 550 - 450 (%T)	1.50	0.00	0.11	Pass
RMS noise 4050 - 3950	0.05	0.00	0.00	Pass
RMS noise 2050 - 1950	0.039	0.00	0.001	Pass
RMS noise 1050 - 950	0.014	0.00	0.002	Pass
RMS noise 550 - 450	0.30	0.00	0.02	Pass

PV Detector linearity

Slope	1.10	0.90	1.05	Pass
Intercept (%T)	1.00	-1.00	-0.02	Pass

USP Wavenumber accuracy

Peak at 3060.0 (cm-1)	3061.0	3059.0	3059.5	Pass
Peak at 2849.5 (cm-1)	2850.5	2848.5	2849.3	Pass
Peak at 1942.9 (cm-1)	1943.9	1941.9	1942.4	Pass
Peak at 1601.2 (cm-1)	1602.2	1600.2	1601.0	Pass
Peak at 1583.0 (cm-1)	1584.0	1582.0	1582.9	Pass
Peak at 1154.5 (cm-1)	1155.5	1153.5	1154.4	Pass
Peak at 1028.3 (cm-1)	1029.3	1027.3	1028.3	Pass

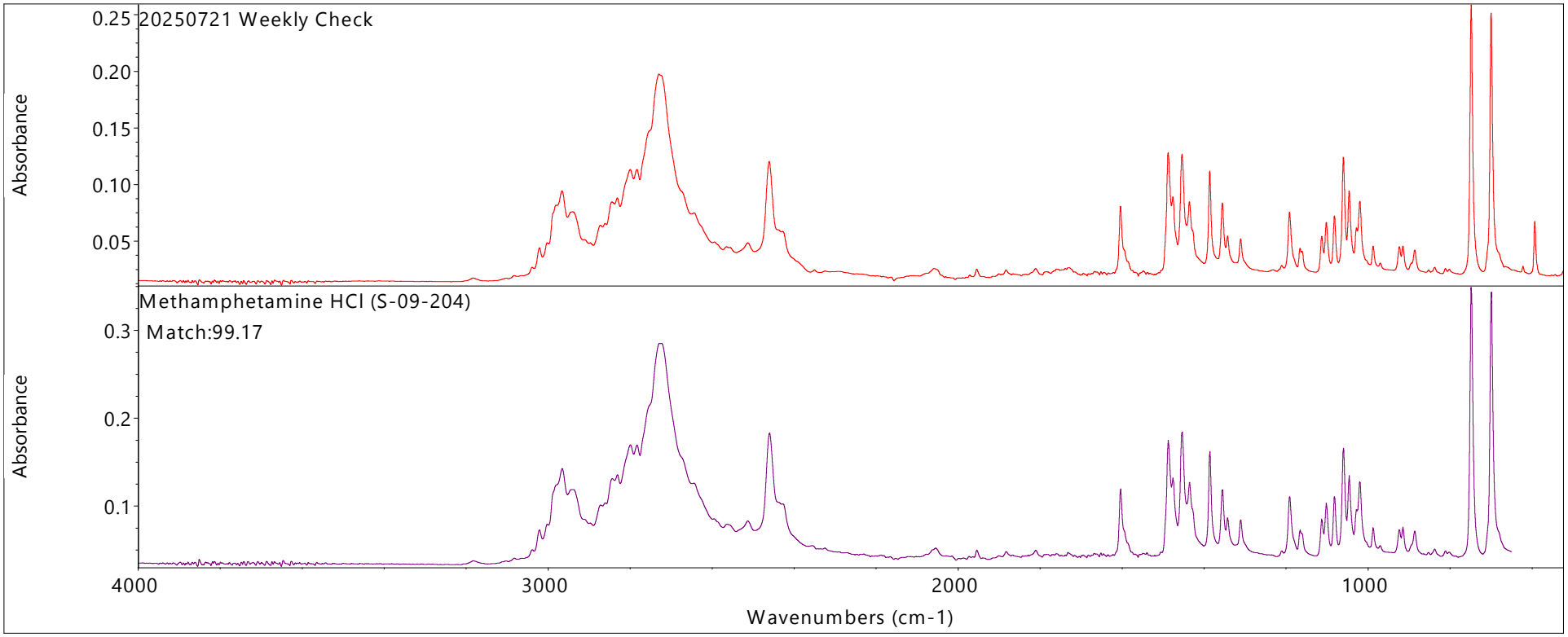
Performed by: _____ Title: _____ Date: _____

Approved by: _____ Title: _____ Date: _____

Comments: _____

Digital comment(s):
No digital comments found.

BCCL Nicolet FTIR iS20 20250721 Weekly Check Mon Jul 21 08:27:37 2025 (GMT-05:00)



Collection time: Mon Jul 21 08:26:53 2025 (GMT-05:(

Detector: DTGS KBr
Beamsplitter: KBr
Source: IR

Number of sample scans: 16
Number of background scans: 16
Resolution: 4.000
Sample gain: 1.0
Optical velocity: 0.4747
Aperture: 80.00

Spectrum: 20250721 Weekly Check
Region: 3999.64-649.89
Search type: Correlation
Hit List:

Index	Match	Compound name	Library
1	99.17	Methamphetamine HCl (S-09-204)	BCCL Drug
3	99.16	(+/-) methamphetamine (S-09-208)	BCCL Drug
14	29.90	d,l Amphetamine sulfate (S-09-207)	BCCL Drug
13	27.86	d Amphetamine sulfate (S-09-205)	BCCL Drug
30	18.66	Methocarbamol (S-18-033)	BCCL Drug
34	15.98	Pregabalin (S-24-003)	BCCL Drug
8	14.71	Caffeine (S-23-022)	BCCL Drug
16	13.22	Dimethyl sulfone (S-23-019)	BCCL Drug
6	11.93	Aspirin (acetyl salicylic acid) (S-23-02 3)	BCCL Drug
7	11.74	Benzocaine (C-10-0049)	BCCL Drug

Mon Jul 21 08:27:33 2025 (GMT-05:00)
FIND PEAKS:
Spectrum: 20250721 Weekly Check
Region: 4000.1 525.0
Absolute threshold: 0.135
Sensitivity: 50
Peak list:

Position:	699.2	Intensity:	0.251
Position:	747.7	Intensity:	0.259
Position:	2729.0	Intensity:	0.197

ValPro Qualification Report

Qualification test: Nicolet iS20 KBr - Factory (CP,JP,PHEUR,PV,USP) - PV
Operator: OMNICAdmin
Date: Monday, July 28, 2025 6:58:23 AM (GMT-05:00)
Instrument: Nicolet iS20 Serial number: BEP2210424
Filename: Nicolet iS20 KBr - Factory (CP,JP,PHEUR,PV,USP) - PV_20250728_065823.spg

Test description	High limit	Low limit	Measured	Result
CP Wavenumber accuracy				
Peak at 3027.0 (cm-1)	3032.0	3022.0	3025.4	Pass
Peak at 2851.0 (cm-1)	2856.0	2846.0	2849.3	Pass
Peak at 1601.0 (cm-1)	1602.0	1600.0	1601.0	Pass
Peak at 1028.0 (cm-1)	1029.0	1027.0	1028.3	Pass
Peak at 907.0 (cm-1)	908.0	906.0	906.6	Pass
CP Optical resolution				
Resolution 2870 - 2849.5 (%T)	100.00	18.00	37.00	Pass
Resolution 1589 - 1583 (%T)	100.00	12.00	24.00	Pass
CP Peak Resolution				
Peaks between 3120 and 2850 cm-1	7	7	7	Pass
JP Wavenumber accuracy				
Peak at 3060.0 (cm-1)	3061.5	3058.5	3059.5	Pass
Peak at 2849.5 (cm-1)	2851.0	2848.0	2849.3	Pass
Peak at 1942.9 (cm-1)	1944.4	1941.4	1942.4	Pass
Peak at 1601.2 (cm-1)	1602.2	1600.2	1601.0	Pass
Peak at 1583.0 (cm-1)	1584.0	1582.0	1582.9	Pass
Peak at 1154.5 (cm-1)	1155.5	1153.5	1154.4	Pass
Peak at 1028.3 (cm-1)	1029.3	1027.3	1028.3	Pass
JP Optical resolution				
Resolution 2870 - 2849.5 (%T)	100.00	18.00	37.00	Pass
Resolution 1589 - 1583 (%T)	100.00	12.00	24.00	Pass
JP Repeatability				
Peak at 3027.1 (cm-1)	5.00	-5.00	0.00	Pass
Peak at 1028.3 (cm-1)	1.00	-1.00	0.00	Pass
Intensity at 2849.5 (%T)	0.50	-0.50	-0.01	Pass
Intensity at 1028.3 (%T)	0.50	-0.50	-0.01	Pass
PHEUR Wavenumber accuracy				
Peak at 3060.0 (cm-1)	3061.0	3059.0	3059.5	Pass
Peak at 1601.2 (cm-1)	1602.2	1600.2	1601.0	Pass
Peak at 1028.3 (cm-1)	1029.3	1027.3	1028.3	Pass
Peak at 906.6 (cm-1)	907.6	905.6	906.6	Pass
PHEUR Optical resolution				
Resolution 2870 - 2849.5 (Abs)	10.00	0.33	0.44	Pass
Resolution 1589 - 1583 (Abs)	10.00	0.08	0.13	Pass
PV Energy ratio				
Energy ratio 4000 / 2000	1.00	0.20	0.34	Pass
Energy ratio 2000 / 1000	4.00	0.80	1.47	Pass

PV Noise level

P-P noise 4050 - 3950 (%T)	0.25	0.00	0.01	Pass
P-P noise 2050 - 1950 (%T)	0.221	0.00	0.008	Pass
P-P noise 1050 - 950 (%T)	0.10	0.00	0.01	Pass
P-P noise 550 - 450 (%T)	1.50	0.00	0.08	Pass
RMS noise 4050 - 3950	0.05	0.00	0.00	Pass
RMS noise 2050 - 1950	0.039	0.00	0.002	Pass
RMS noise 1050 - 950	0.014	0.00	0.002	Pass
RMS noise 550 - 450	0.30	0.00	0.02	Pass

PV Detector linearity

Slope	1.10	0.90	1.05	Pass
Intercept (%T)	1.00	-1.00	0.02	Pass

USP Wavenumber accuracy

Peak at 3060.0 (cm-1)	3061.0	3059.0	3059.5	Pass
Peak at 2849.5 (cm-1)	2850.5	2848.5	2849.3	Pass
Peak at 1942.9 (cm-1)	1943.9	1941.9	1942.4	Pass
Peak at 1601.2 (cm-1)	1602.2	1600.2	1601.0	Pass
Peak at 1583.0 (cm-1)	1584.0	1582.0	1582.9	Pass
Peak at 1154.5 (cm-1)	1155.5	1153.5	1154.4	Pass
Peak at 1028.3 (cm-1)	1029.3	1027.3	1028.3	Pass

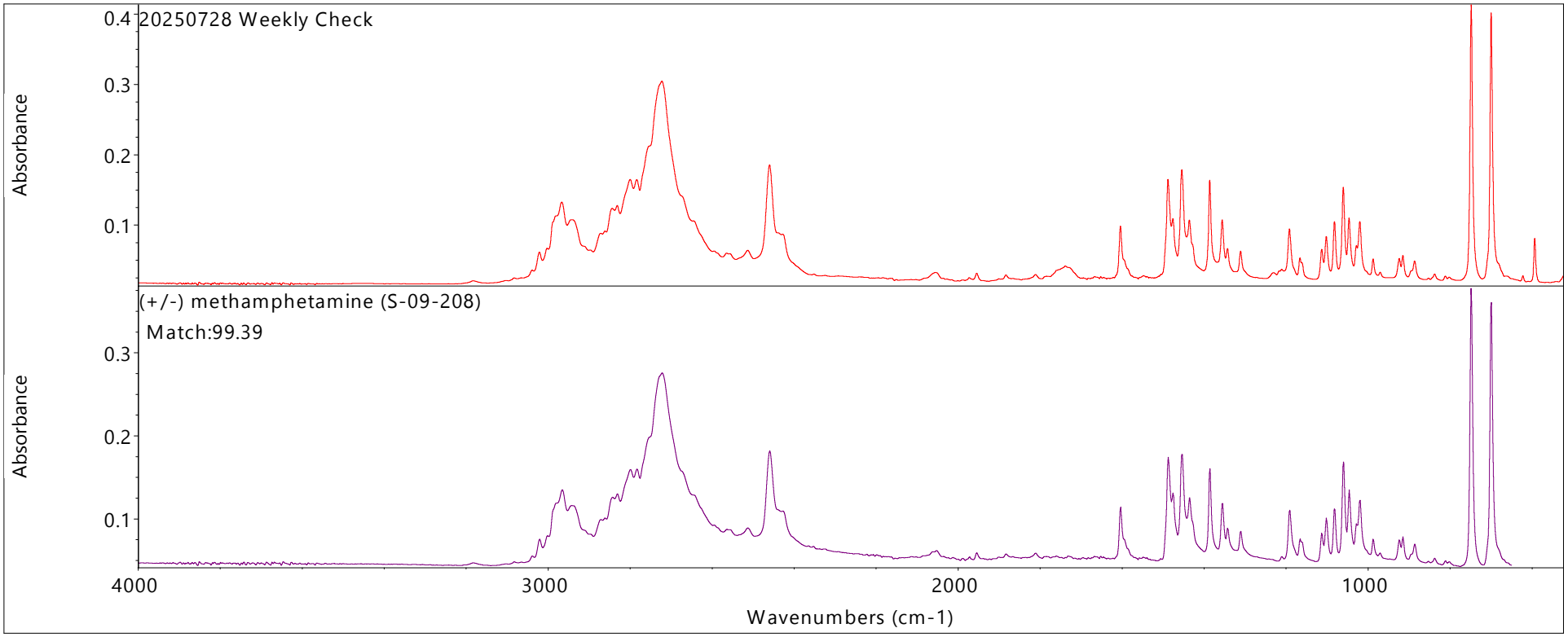
Performed by: _____ Title: _____ Date: _____

Approved by: _____ Title: _____ Date: _____

Comments: _____

Digital comment(s):
No digital comments found.

BCCL Nicolet FTIR iS20 20250728 Weekly Check Mon Jul 28 08:55:20 2025 (GMT-05:00)



Collection time: Mon Jul 28 08:54:48 2025 (GMT-05:(

Detector: DTGS KBr
Beamsplitter: KBr
Source: IR

Number of sample scans: 16
Number of background scans: 16
Resolution: 4.000
Sample gain: 1.0
Optical velocity: 0.4747
Aperture: 80.00

Spectrum: 20250728 Weekly Check
Region: 3999.64-649.89
Search type: Correlation

Hit List:

Index	Match	Compound name	Library
3	99.39	(+/-) methamphetamine (S-09-208)	BCCL Drug
1	98.60	Methamphetamine HCl (S-09-204)	BCCL Drug
14	30.36	d,l Amphetamine sulfate (S-09-207)	BCCL Drug
13	29.30	d Amphetamine sulfate (S-09-205)	BCCL Drug
30	19.83	Methocarbamol (S-18-033)	BCCL Drug
34	16.34	Pregabalin (S-24-003)	BCCL Drug
16	14.61	Dimethyl sulfone (S-23-019)	BCCL Drug
8	13.68	Caffeine (S-23-022)	BCCL Drug
35	13.02	Trazodone HCl (S-24-004)	BCCL Drug
7	12.56	Benzocaine (C-10-0049)	BCCL Drug

Mon Jul 28 08:55:03 2025 (GMT-05:00)
FIND PEAKS:
Spectrum: 20250728 Weekly Check
Region: 4000.1 525.0
Absolute threshold: 0.214
Sensitivity: 50
Peak list:

Position:	699.0	Intensity:	0.402
Position:	747.7	Intensity:	0.413
Position:	2722.0	Intensity:	0.304