

## FTIR Notes Formatting and Examples

### **Useful links:**

[FTIR Component Designation Guidelines](#)

[Flags Description/Definitions Guidelines](#)

### Basic Format for FTIR Notes in StreetCheck ~ Overall Notes:

**Initials/Date:**

**Libraries:**

**Unidentified Peaks:**

**Fentanyl Approx:**

**General notes:**

### **UPDATE**

**Initials/Date:**

**Status:**

**Recommended Results Update:**

**General notes:**

### Basic Format for FTIR Notes in StreetCheck ~ Initial FTIR Analysis Notes and Description:

**Initials/Date:**

**Libraries:** List the libraries utilized

**Unidentified Peaks:** Unidentified peaks refers to peaks that are apparent in the original sample spectrum that are not accounted for by the substance(s) identified on the FTIR.

**Fentanyl Approx:** Fentanyl Approx is an optional item. Please check in with the MADDs team before giving out these results to participants.

**General notes:**

### Basic Format for FTIR Notes in StreetCheck ~ UPDATE Notes:

#### **UPDATE**

**Initials/Date:**

**Status:** Provide the status of the sample (Initial or Complete). If the sample is of complete status it is understood that the technician utilized lab results to inform their analysis. If the technician did not look at the lab results even though the sample is confirmed please make that clear in the notes.

**Recommended Results Update:** If there is a recommended change to the FTIR results from what currently exists for the FTIR results write them here

**General notes:**

## Examples of Notes

### Example 1:

**Initials/Date:** CAJ - 5.17.24

**Libraries:** BCCSU, SWGDrug, Bruker Pharma libraries

**Unidentified Peaks:** 1780, 2200, 1420

**Fentanyl Approx:** 10% (Range 8% - 12%)

**General notes:**

Substances identified account for the scan pretty well but a few peaks left unaccounted for - locations indicated above. Flagged this scan (Flag for Unidentifiable/Unknown Substance(s) in FTIR Scan) as one to return to once lab results are returned to review the scan with hopes of identifying any of the peaks left unaccounted for.

### Example 2:

**Initials/Date:** AE - 5.19.24

**Libraries:** BCCSU, SWGDrug, TICTAC

**Unidentified Peaks:** None

**Fentanyl Approx:** 15% (Range 10% - 20%)

**General notes:**

Left a rather wide range for the fentanyl approximation as caffeine and xylazine was present in the scan making the fentanyl approximation difficult.

### Example 3:

**Initials/Date:** IS - 5.21.24

**Libraries:** BCCSU, SWGDrug

**Unidentified Peaks:** Many peaks left unaccounted for ~ not able to be differentiated from noise

**Fentanyl Approx:** NA

**General notes:**

Super noisy scan, not confident in any substances identified (left all as unknown designation). Not a particularly good scan, some indications of lactose, mannitol and fentanyl

### Example 4:

**Initials/Date:** IS - 5.21.24

**Libraries:** BCCSU, SWGDrug, Bruker Pharma libraries

**Unidentified Peaks:** 2415, 1510, 1330

**Fentanyl Approx:** NA

**General notes:**

No fentanyl approximation for this scan as no fentanyl was identified via FTIR.

Shot in the dark: protonitazene trace? Did not report protonitazene as unknown as it would be available to the participant and I am not confident to share this component as I have not seen it before on FTIR. Making a note for protonitazene as I wanted to keep it here as a note to myself the technician but not shared with the participant as not confident in the substance identification. Flagged

this scan (Flag for Unidentifiable/Unknown Substance(s) in FTIR Scan) as one to return to once lab results are returned to review.

## **UPDATE**

**Initials/Date:** IS - 6.18.24

**Status:** \*\*\*

**Recommended Results Update:** \*\*\*\*

**General notes:** Changed fentanyl trace to fentanyl minor

- Note whether or note this was informed by lab results

I used the same libraries as above. Returned to this scan after lab results came back. Protonitazene was not present but Metonitazene was present. Difficult to determine Metonitazene via FTIR with confidence. FTIR analysis updated to include Metonitazene with UNK designation.

Removed flag that was attached to this sample (Flag for Unidentifiable/Unknown Substance(s) in FTIR Scan) as scan was reviewed after lab results were available.

### Example 5:

**Initials/Date:** CAJ - 5.17.24

**Libraries:** BCCSU, SWGDrug

**Unidentified Peaks:** 1780, 2200, 1420

**Fentanyl Approx:** 30% (Range 25% - 35%)

**General notes:**

Some peaks left unaccounted for but overall a pretty good scan. Flagged this scan (Flag for Unidentifiable/Unknown Substance(s) in FTIR Scan) as one to return to once lab results are returned to review the scan with hopes of identifying any of the peaks left unaccounted for.

## **UPDATE**

**Initials/Date:** CAJ - 6.12.24

**Status:** \*\*\*

**Recommended Results Update:** \*\*\*\*

**General notes:**

**Libraries:** BCCSU, SWGDrug, TICTAC

Returned to this scan after lab results came back. Had to add TICTAC to assist in the analysis. Lidocaine was identified by the lab and after overlaying the lidocaine reference spectrum I am confident that it was present and missed in the original identification/first pass on this FTIR scan. I have since added Lidocaine as one of the FTIR identified components at a trace designation. Removed flag that was attached to this sample (Flag for Unidentifiable/Unknown Substance(s) in FTIR Scan) as scan was reviewed after lab results were available.