

## Report Details

Report Location C:\Users\Didattica\Desktop\chim\_fis\_2\2015\c8\brbn\_15c.pdf  
Report Creator user  
Report Date Thursday, May 28, 2015 12:27 PM

## Sample Details

Sample Name 15c  
Sample Description Sample 104 By ir Date Thursday, May 28 2015  
Analyst user  
Creation Date 5/28/2015 12:10:07 PM  
X-Axis Units cm-1  
Y-Axis Units A

## Instrument Details

Instrument Model Spectrum Two  
Instrument Serial Number 100169  
Software Revision NIOS2 Main 00.02.0064 29-November-2013 10:09:27  
Number of Scans 4  
Resolution 1

## Instrument Details (Full)

Instrument Model Spectrum Two  
Instrument Serial Number 100169  
Software Revision NIOS2 Main 00.02.0064 29-November-2013 10:09:27  
Number of Scans 4  
Resolution 1  
Detector MIR TGS  
Source MIR  
Beamsplitter OptKBr  
Apodization Strong  
Spectrum Type Spectrum  
Beam Type Ratio  
Phase correction Self  
Scan Speed 0.2  
IGram Type Single  
Scan Direction Combined  
Zero Crossings 0  
JStop 4.47  
IR-Laser Wavenumber 11750.00  
Manufacturer L1600217  
Part Number L1600217  
Description Sample base plate assy (non RFID)  
Default Scan Range / cm-1 4000 450  
Temperature / °C Not Specified  
Accessory Type Slide Holder  
Slide Holder Option MIR  
Crystal Type Not Specified

## Accessory

Manufacturer L1600217  
Part Number L1600217  
Description Sample base plate assy (non RFID)  
Default Scan Range / cm-1 4000 450  
Temperature / °C Not Specified  
Accessory Type Slide Holder  
Slide Holder Option MIR

Crystal Type Not Specified

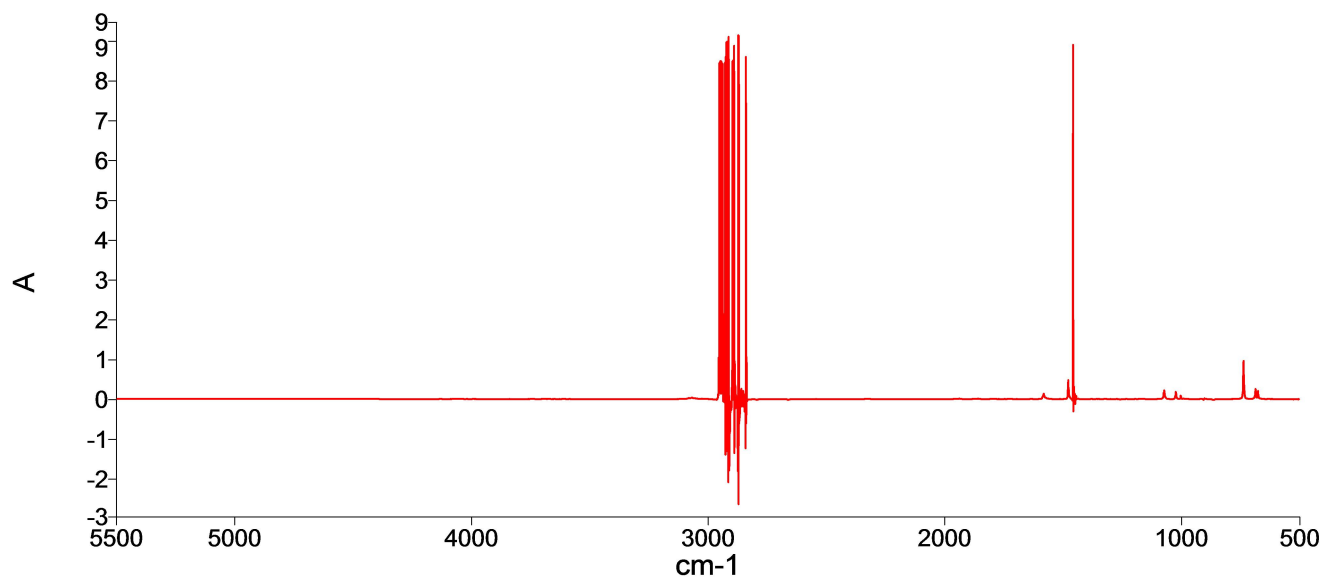
### Quality Checks

|                   |         |
|-------------------|---------|
| Water Vapor       | Passed  |
| Carbon Dioxide    | Passed  |
| Baseline Low      | Passed  |
| Baseline High     | Warning |
| Baseline Slope    | Passed  |
| Strong Bands      | Warning |
| Weak Bands        | Passed  |
| High Noise        | Passed  |
| Fringes           | Passed  |
| Vignetting        | Passed  |
| Blocked Beam      | Passed  |
| Negative Bands    | Warning |
| Zero Transmission | Caution |
| Stray Light       | Passed  |
| Window Cutoff     | Passed  |

### History

| Who  | What                   | When                  | Parameters               | Comment                                     |
|------|------------------------|-----------------------|--------------------------|---------------------------------------------|
| user | Created as New Dataset | 5/28/2015 12:10:07 PM |                          | Sample 104 By ir Date Thursday, May 28 2015 |
| user | Atmospheric Correction | 5/28/2015 12:10:07 PM |                          |                                             |
| user | Absorbance             | 5/28/2015 12:10:07 PM | "Channel:1", "Result.sp" |                                             |

### Spectrum

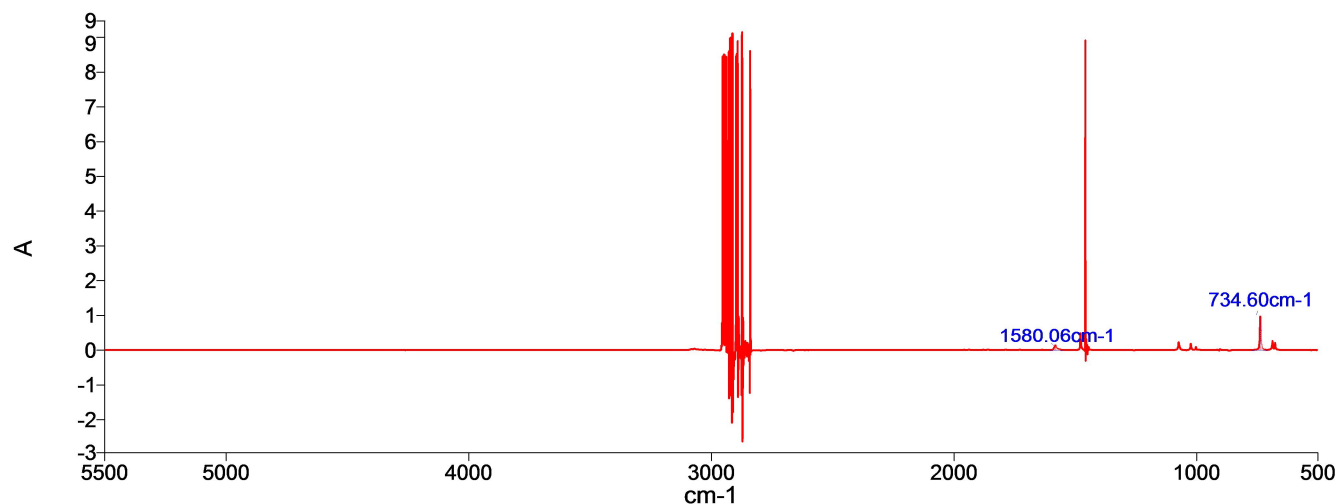


| Name | Description                                 |
|------|---------------------------------------------|
| 15c  | Sample 104 By ir Date Thursday, May 28 2015 |

## Summary

| Sample Name | Description                                 | Quality                                                           |
|-------------|---------------------------------------------|-------------------------------------------------------------------|
| 15c         | Sample 104 By ir Date Thursday, May 28 2015 | The Quality Checks give rise to multiple warnings for the sample. |

## Peak Table Spectrum



Name Description  
15c Sample 104 By ir Date Thursday, May 28 2015

## Peak Area/Height Results

| Peak | X (cm-1) | Y (A)  | Area (A) | Height (A) | Start  | End     | Base1   | Base2   |
|------|----------|--------|----------|------------|--------|---------|---------|---------|
| 1    | 734.6    | 0.9656 | 4.54     | 0.961      | 774.29 | 707.78  | 775     | 707.66  |
| 2    | 1580.06  | 0.1345 | 1.43     | 0.1323     | 1603.1 | 1549.26 | 1604.72 | 1548.52 |