

Report Details

Report Location C:\Users\Didattica\Desktop\chim_fis_2\2016\c1c2c3\Samples View 1_brbn15.pdf
Report Creator user
Report Date Thursday, May 26, 2016 10:56 AM

Sample Details

Sample Name brbn15
Sample Description Sample 010 By ir Date Thursday, May 26 2016
Analyst user
Creation Date 5/26/2016 10:21:06 AM
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 Background
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 KBr Disc

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 KBr Disc

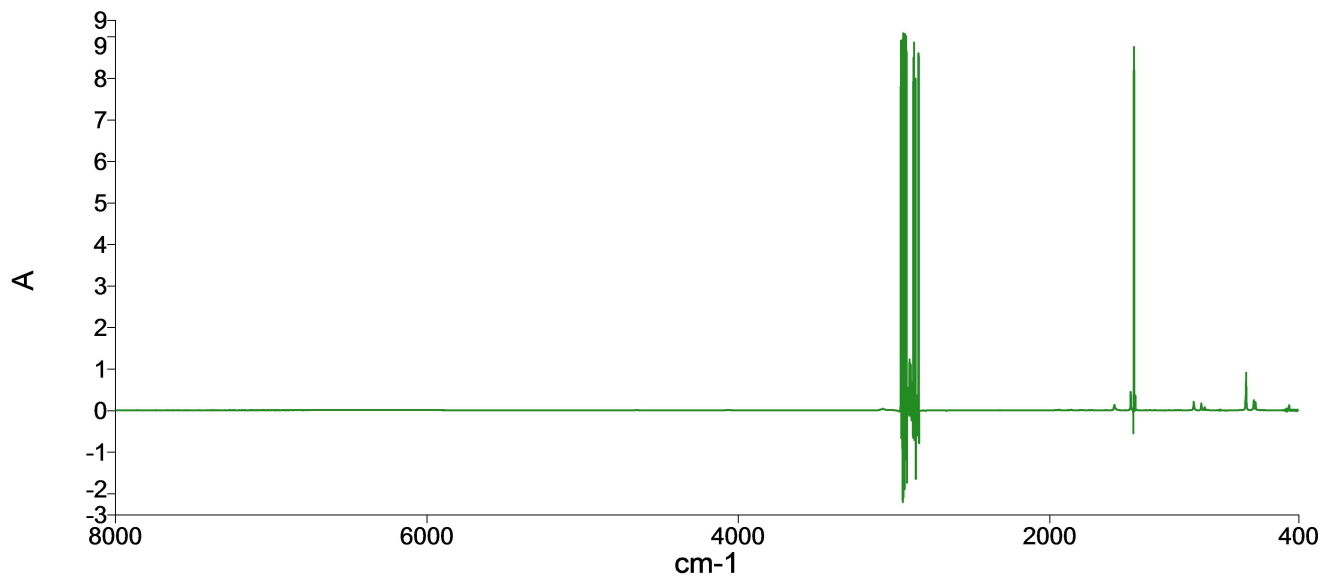
Quality Checks

| | |
|-------------------|---------|
| 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 | 5/26/2016 10:21:06 AM | | Sample 010 By ir Date Thursday, May 26 2016 |
| user | Atmospheric Correction | 5/26/2016 10:21:06 AM | | |
| user | Absorbance | 5/26/2016 10:21:07 AM | "Channel:1", "Result.sp" | |

Spectrum

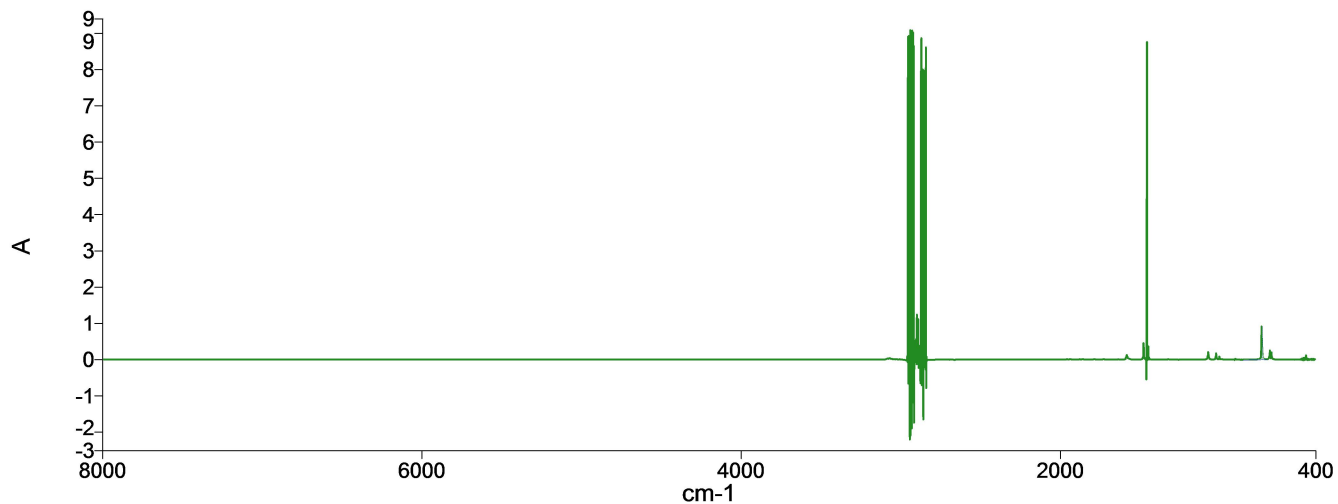


| Name | Description |
|--------|---|
| brbn15 | Sample 010 By ir Date Thursday, May 26 2016 |

Summary

| Sample Name | Description | Quality |
|-------------|---|---|
| brbn15 | Sample 010 By ir Date Thursday, May 26 2016 | The Quality Checks give rise to multiple warnings for the sample. |

Peak Table Spectrum



Name Description
 — brbn15 Sample 010 By ir Date Thursday, May 26 2016

Peak Area/Height Results

| Peak | X (cm-1) | Y (A) | Area (A) | Height (A) | Start | End | Base1 | Base2 |
|------|----------|-------|----------|------------|--------|--------|--------|--------|
| 1 | 734.58 | 0.91 | 4.92 | 0.9086 | 857.84 | 704.98 | 857.59 | 704.86 |

| Peak | X (cm-1) | Y (A) | Area (A) | Height (A) | Start | End | Base1 | Base2 |
|------|----------|--------|----------|------------|---------|---------|---------|---------|
| 1 | 1070.84 | 0.2055 | 2.25 | 0.2085 | 1419.68 | 1037.12 | 1419.93 | 1037.37 |

| Peak | X (cm-1) | Y (A) | Area (A) | Height (A) | Start | End | Base1 | Base2 |
|------|----------|-------|----------|------------|--------|--------|--------|--------|
| 1 | 734.58 | 0.91 | 4.92 | 0.9086 | 857.84 | 704.98 | 857.59 | 704.86 |