

## Report Details

|                 |                                                           |
|-----------------|-----------------------------------------------------------|
| Report Location | C:\Users\Didattica\Desktop\chim_fis_2\2015\b9\brbn_30.pdf |
| Report Creator  | user                                                      |
| Report Date     | Wednesday, May 27, 2015 6:24 PM                           |

## Sample Details

|                    |                                              |
|--------------------|----------------------------------------------|
| Sample Name        | 30                                           |
| Sample Description | Sample 089 By ir Date Wednesday, May 27 2015 |
| Analyst            | user                                         |
| Creation Date      | 5/27/2015 5:58:21 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

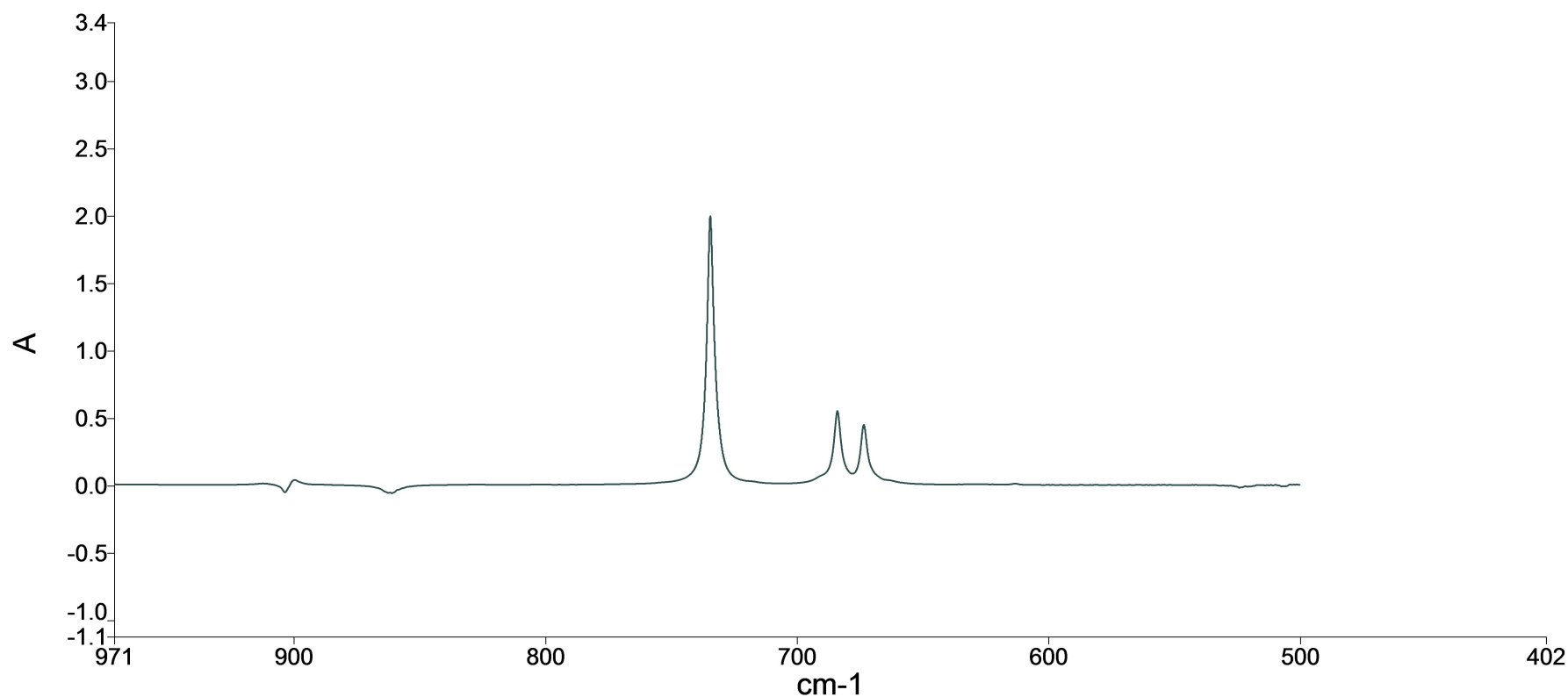
Water Vapor Passed  
 Carbon Dioxide Passed  
 Baseline Low Passed  
 Baseline High Caution  
 Baseline Slope Passed  
 Strong Bands Warning  
 Weak Bands Passed  
 High Noise Passed  
 Fringes Passed  
 Vignetting Passed  
 Blocked Beam Passed  
 Negative Bands Warning  
 Zero Transmission Caution 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

### History

| Who  | What                   | When                 | Parameters | Comment                             |
|------|------------------------|----------------------|------------|-------------------------------------|
| user | Created as New Dataset | 5/27/2015 5:58:21 PM |            | Sample 089 By ir<br>Date Wednesday, |

| Who  | What                   | When                 | Parameters                  | Comment     |
|------|------------------------|----------------------|-----------------------------|-------------|
|      |                        |                      |                             | May 27 2015 |
| user | Atmospheric Correction | 5/27/2015 5:58:21 PM |                             |             |
| user | Absorbance             | 5/27/2015 5:58:21 PM | "Channel:1",<br>"Result.sp" |             |

## Spectrum

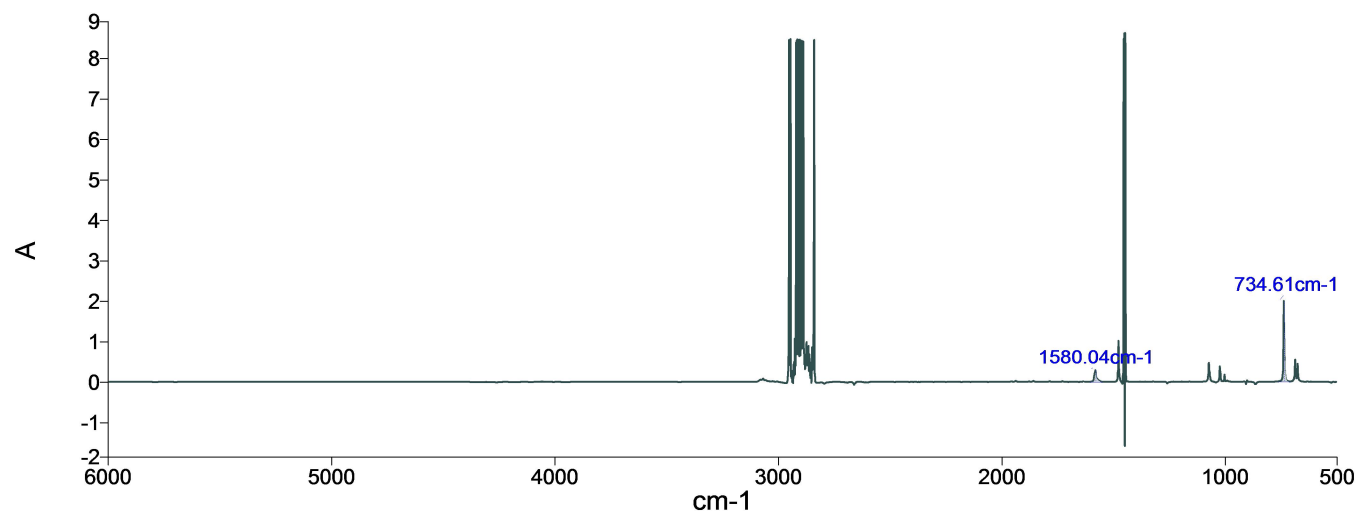


| Name | Description                                  |
|------|----------------------------------------------|
| 30   | Sample 089 By ir Date Wednesday, May 27 2015 |

### Summary

| Sample Name | Description                                  | Quality                                                           |
|-------------|----------------------------------------------|-------------------------------------------------------------------|
| 30          | Sample 089 By ir Date Wednesday, May 27 2015 | The Quality Checks give rise to multiple warnings for the sample. |

### Peak Table Spectrum



Name Description  
 30 Sample 089 By ir Date Wednesday, May 27 2015

# Peak Area/Height Results

| Peak | X (cm-1) | Y (A)  | Area (A) | Height (A) | Start   | End     | Base1   | Base2   |
|------|----------|--------|----------|------------|---------|---------|---------|---------|
| 1    | 734.61   | 2.0091 | 9.58     | 1.9959     | 751.51  | 711.99  | 763.85  | 711.17  |
| 2    | 1580.04  | 0.2934 | 3.06     | 0.2888     | 1700.67 | 1550.45 | 1606.83 | 1550.16 |