

## Report Details

|                 |                                                           |
|-----------------|-----------------------------------------------------------|
| Report Location | C:\Users\Didattica\Desktop\chim_fis_2\2015\b7b8\cella.pdf |
| Report Creator  | user                                                      |
| Report Date     | Wednesday, May 20, 2015 4:37 PM                           |

## Sample Details

### ir 51

|                    |                                                          |
|--------------------|----------------------------------------------------------|
| Sample Name        | C:\Users\Didattica\Desktop\chim_fis_2\2015\b7b8\ir 51.sp |
| Sample Description | Sample 051 By ir Date Wednesday, May 20 2015             |
| Analyst            | user                                                     |
| Creation Date      | 5/20/2015 4:35:32 PM                                     |
| X-Axis Units       | cm-1                                                     |
| Y-Axis Units       | A                                                        |

## Instrument Details

### ir 51

|                          |                                                 |
|--------------------------|-------------------------------------------------|
| 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)

### ir 51

|                          |                                                 |
|--------------------------|-------------------------------------------------|
| 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 |

## Accessory

### ir 51

|                           |                                   |
|---------------------------|-----------------------------------|
| 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

### ir 51

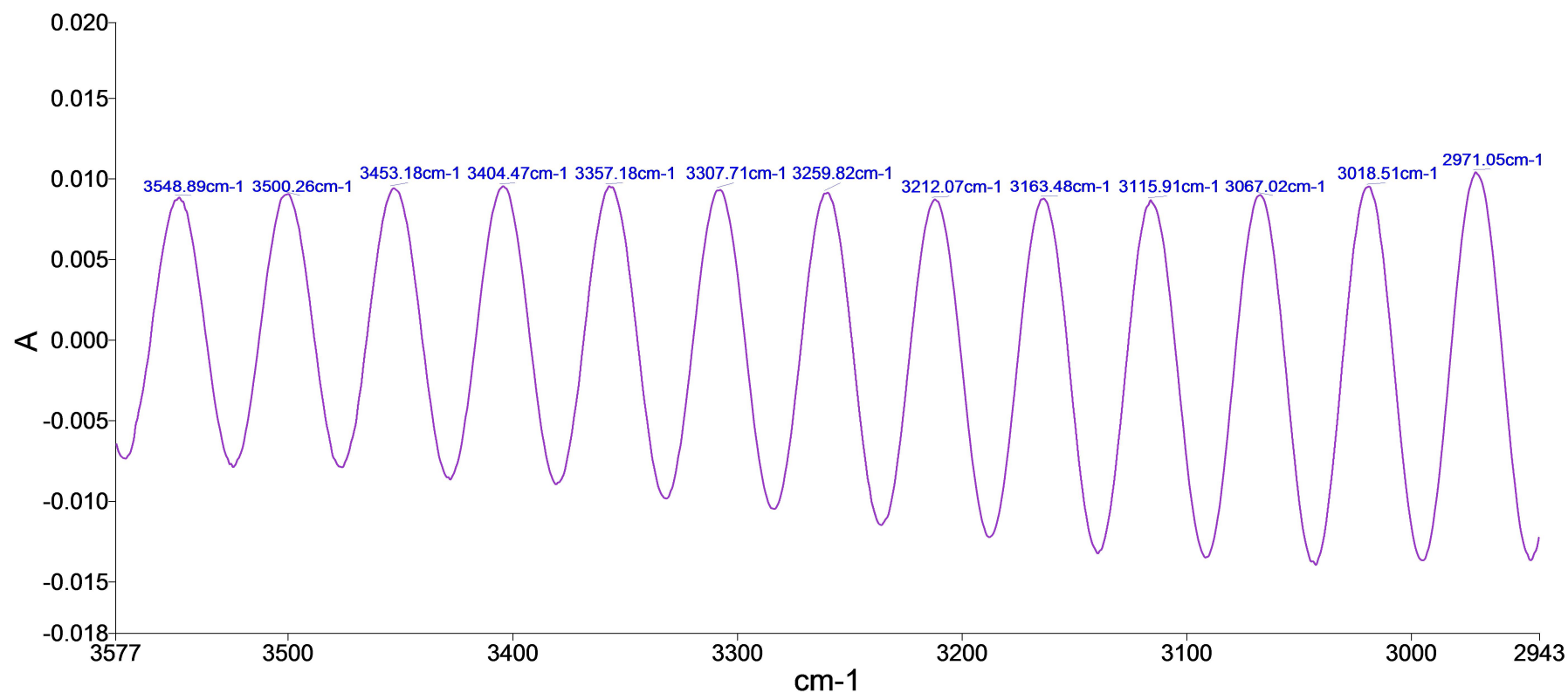
|                   |         |
|-------------------|---------|
| Water Vapor       | Passed  |
| Carbon Dioxide    | Passed  |
| Baseline Low      | Passed  |
| Baseline High     | Caution |
| Baseline Slope    | Passed  |
| Strong Bands      | Passed  |
| Weak Bands        | Warning |
| High Noise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

## History

### ir 51

| Who  | What                   | When                 | Parameters                  | Comment                                            |
|------|------------------------|----------------------|-----------------------------|----------------------------------------------------|
| user | Created as New Dataset | 5/20/2015 4:35:32 PM |                             | Sample 051 By ir<br>Date Wednesday,<br>May 20 2015 |
| user | Atmospheric Correction | 5/20/2015 4:35:32 PM |                             |                                                    |
| user | Absorbance             | 5/20/2015 4:35:32 PM | "Channel:1",<br>"Result.sp" |                                                    |

## Spectrum



| Name  | Description                                  |
|-------|----------------------------------------------|
| ir 51 | Sample 051 By ir Date Wednesday, May 20 2015 |

### Summary

| Sample Name | Description                                  | Quality                                                           |
|-------------|----------------------------------------------|-------------------------------------------------------------------|
| ir 51       | Sample 051 By ir Date Wednesday, May 20 2015 | The Quality Checks give rise to multiple warnings for the sample. |