

## Report Details

|                 |                                                                    |
|-----------------|--------------------------------------------------------------------|
| Report Location | C:\Users\Didattica\Desktop\chim_fis_2\2015\1a7a8\polistirene_1.pdf |
| Report Creator  | user                                                               |
| Report Date     | Monday, May 18, 2015 5:11 PM                                       |

## Sample Details

|                    |                                           |
|--------------------|-------------------------------------------|
| Sample Name        | 1                                         |
| Sample Description | Sample 039 By ir Date Monday, May 18 2015 |
| Analyst            | user                                      |
| Creation Date      | 5/18/2015 5:09:19 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

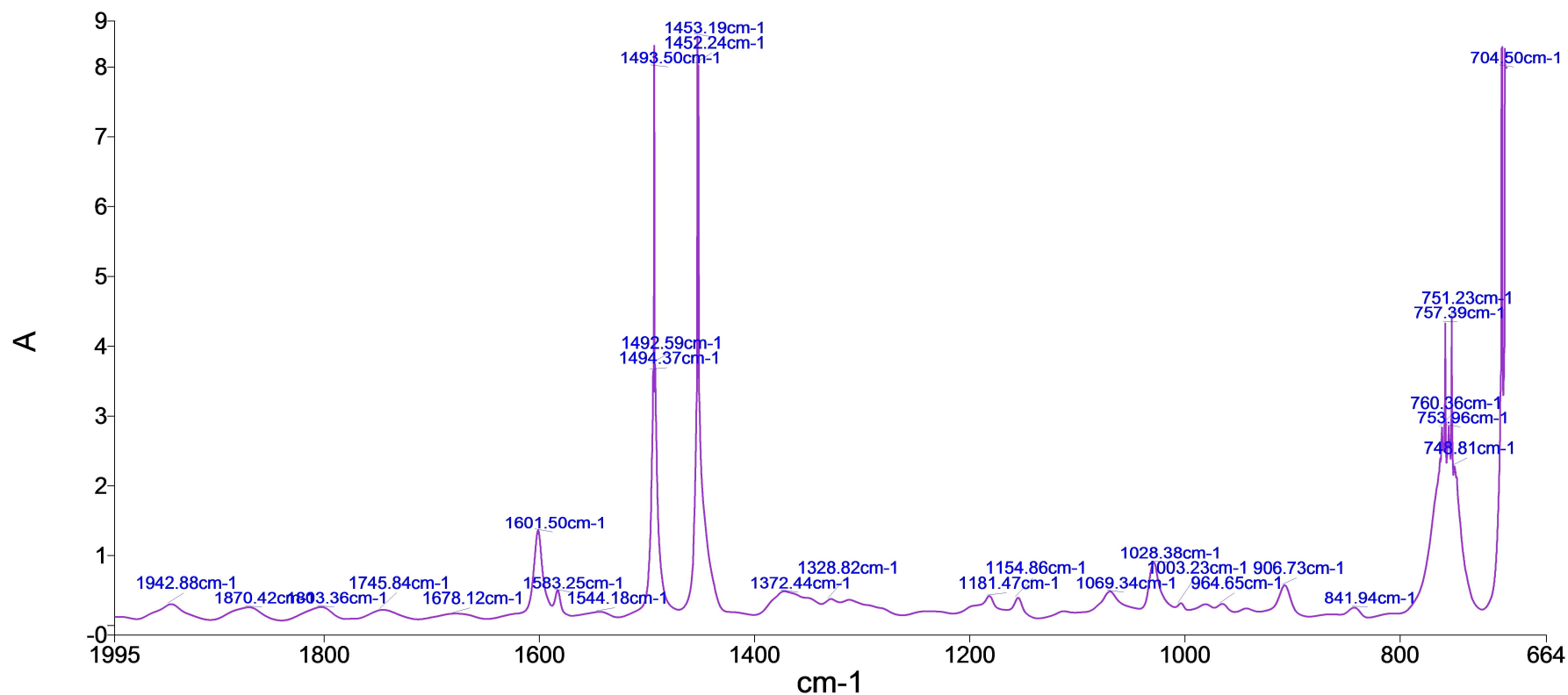
Water Vapor Passed  
Carbon Dioxide Passed  
Baseline Low Passed  
Baseline High Passed  
Baseline Slope Passed  
Strong Bands Warning  
Weak Bands Passed  
High Noise Passed  
Fringes Warning  
Vignetting Passed  
Blocked Beam Passed  
Negative Bands Warning  
Zero Transmission Passed  
Stray Light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

### History

| Who  | What                   | When                 | Parameters | Comment                              |
|------|------------------------|----------------------|------------|--------------------------------------|
| user | Created as New Dataset | 5/18/2015 5:09:19 PM |            | Sample 039 By ir<br>Date Monday, May |

| Who  | What                      | When                    | Parameters                  | Comment |
|------|---------------------------|-------------------------|-----------------------------|---------|
|      |                           |                         |                             | 18 2015 |
| user | Atmospheric<br>Correction | 5/18/2015 5:09:19<br>PM |                             |         |
| user | Absorbance                | 5/18/2015 5:09:19<br>PM | "Channel:1",<br>"Result.sp" |         |

## Spectrum



| Name | Description                               |
|------|-------------------------------------------|
| 1    | Sample 039 By ir Date Monday, May 18 2015 |

### Summary

| Sample Name | Description                               | Quality                                                           |
|-------------|-------------------------------------------|-------------------------------------------------------------------|
| 1           | Sample 039 By ir Date Monday, May 18 2015 | The Quality Checks give rise to multiple warnings for the sample. |