

## Report Details

Report Location C:\Users\Didattica\Desktop\chim\_fis\_2\2016\b1b2\Samples View 1.pdf  
Report Creator user  
Report Date Wednesday, June 01, 2016 4:37 PM

## Sample Details

### 10

Sample Name C:\Users\Didattica\Desktop\chim\_fis\_2\2016\b1b2\10.sp  
Sample Description Sample 027 By ir Date Wednesday, June 01 2016  
Analyst user  
Creation Date 6/1/2016 4:05:16 PM  
X-Axis Units cm-1  
Y-Axis Units A

### 15

Sample Name C:\Users\Didattica\Desktop\chim\_fis\_2\2016\b1b2\15.sp  
Sample Description Sample 028 By ir Date Wednesday, June 01 2016  
Analyst user  
Creation Date 6/1/2016 4:10:47 PM  
X-Axis Units cm-1  
Y-Axis Units A

### 20

Sample Name C:\Users\Didattica\Desktop\chim\_fis\_2\2016\b1b2\20.sp  
Sample Description Sample 029 By ir Date Wednesday, June 01 2016  
Analyst user  
Creation Date 6/1/2016 4:15:15 PM  
X-Axis Units cm-1  
Y-Axis Units A

### 25

Sample Name C:\Users\Didattica\Desktop\chim\_fis\_2\2016\b1b2\25.sp  
Sample Description Sample 030 By ir Date Wednesday, June 01 2016  
Analyst user  
Creation Date 6/1/2016 4:20:51 PM  
X-Axis Units cm-1  
Y-Axis Units A

### 30

Sample Name C:\Users\Didattica\Desktop\chim\_fis\_2\2016\b1b2\30.sp  
Sample Description Sample 031 By ir Date Wednesday, June 01 2016  
Analyst user  
Creation Date 6/1/2016 4:24:38 PM  
X-Axis Units cm-1  
Y-Axis Units A

### X

Sample Name C:\Users\Didattica\Desktop\chim\_fis\_2\2016\b1b2\X.sp  
Sample Description Sample 032 By ir Date Wednesday, June 01 2016  
Analyst user  
Creation Date 6/1/2016 4:29:29 PM  
X-Axis Units cm-1  
Y-Axis Units A

## Instrument Details

### 10

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

**15**

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

**20**

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

**25**

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

**30**

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

**X**

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)**

**10**

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

**15**

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

**20**

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

**25**

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

**30**

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

**X**

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**

**10**

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

**15**

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

**20**  
 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

**25**  
 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

**30**  
 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

**X**  
 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**

**10**  
 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

**15**  
 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

**20**

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

**25**

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	Caution
Vignetting	Passed
Blocked Beam	Passed
Negative Bands	Warning
Zero Transmission	Caution
Stray Light	Passed
Window Cutoff	Passed

**30**

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

**X**

Water Vapor Caution  
 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**

10

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/1/2016 4:05:16 PM		Sample 027 By ir Date Wednesday, June 01 2016
user	Atmospheric Correction	6/1/2016 4:05:16 PM		
user	Absorbance	6/1/2016 4:05:16 PM	"Channel:1", "Result.sp"	

15

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/1/2016 4:10:47 PM		Sample 028 By ir Date Wednesday, June 01 2016
user	Atmospheric Correction	6/1/2016 4:10:47 PM		
user	Absorbance	6/1/2016 4:10:47 PM	"Channel:1", "Result.sp"	

20



Who	What	When	Parameters	Comment
user	Created as New Dataset	6/1/2016 4:15:15 PM		Sample 029 By ir Date Wednesday, June 01 2016
user	Atmospheric Correction	6/1/2016 4:15:15 PM		
user	Absorbance	6/1/2016 4:15:15 PM	"Channel:1", "Result.sp"	

25

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/1/2016 4:20:51 PM		Sample 030 By ir Date Wednesday, June 01 2016
user	Atmospheric Correction	6/1/2016 4:20:51 PM		
user	Absorbance	6/1/2016 4:20:51 PM	"Channel:1", "Result.sp"	

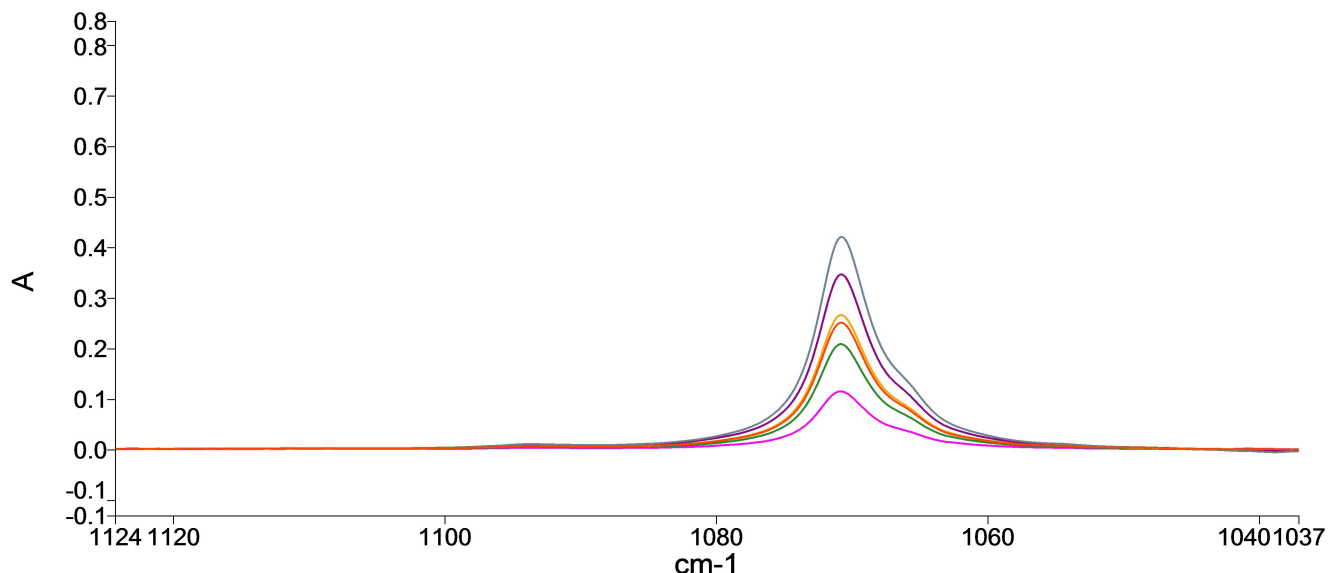
30

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/1/2016 4:24:38 PM		Sample 031 By ir Date Wednesday, June 01 2016
user	Atmospheric Correction	6/1/2016 4:24:38 PM		
user	Absorbance	6/1/2016 4:24:38 PM	"Channel:1", "Result.sp"	

X

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/1/2016 4:29:29 PM		Sample 032 By ir Date Wednesday, June 01 2016
user	Atmospheric Correction	6/1/2016 4:29:29 PM		
user	Absorbance	6/1/2016 4:29:29 PM	"Channel:1", "Result.sp"	

**Spectrum**

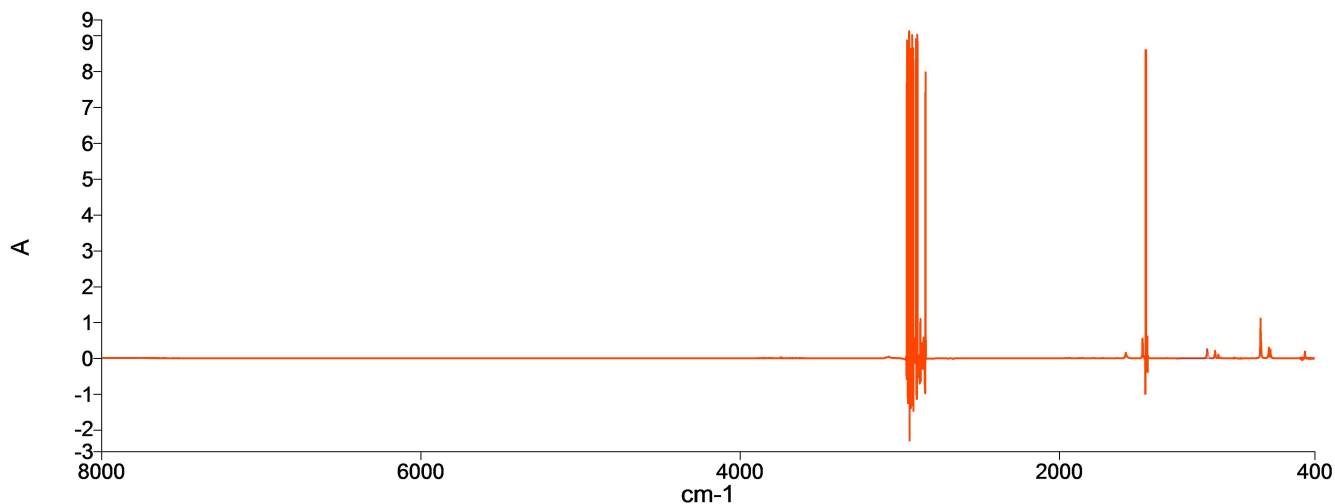


Name	Description
10	Sample 027 By ir Date Wednesday, June 01 2016
15	Sample 028 By ir Date Wednesday, June 01 2016
20	Sample 029 By ir Date Wednesday, June 01 2016
25	Sample 030 By ir Date Wednesday, June 01 2016
30	Sample 031 By ir Date Wednesday, June 01 2016
X	Sample 032 By ir Date Wednesday, June 01 2016

**Summary**

Sample Name	Description	Quality
10	Sample 027 By ir Date Wednesday, June 01 2016	The Quality Checks give rise to multiple warnings for the sample.
15	Sample 028 By ir Date Wednesday, June 01 2016	The Quality Checks give rise to multiple warnings for the sample.
20	Sample 029 By ir Date Wednesday, June 01 2016	The Quality Checks give rise to multiple warnings for the sample.
25	Sample 030 By ir Date Wednesday, June 01 2016	The Quality Checks give rise to multiple warnings for the sample.
30	Sample 031 By ir Date Wednesday, June 01 2016	The Quality Checks give rise to multiple warnings for the sample.
X	Sample 032 By ir Date Wednesday, June 01 2016	The Quality Checks give rise to multiple warnings for the sample.

**Peak Table Spectrum**



Name Description  
 X Sample 032 By ir Date Wednesday, June 01 2016

**Peak Area/Height Results**

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.56	0.5257	2.81	0.5243	855.83	705.68	855.83	705.68

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.57	0.9273	5	0.9246	855.83	705.68	856.08	705.93

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.56	1.1694	6.32	1.1652	855.83	705.68	856.08	705.84

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.58	1.4932	7.98	1.4869	855.83	705.68	856.08	705.82

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.58	1.7981	9.73	1.7917	855.83	705.68	856.08	705.93

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.56	1.109	5.82	1.1047	855.83	705.68	855.69	705.93

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.85	0.1177	1.26	0.1183	1252.24	1037.37	1252.24	1037.37

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.83	0.2113	2.51	0.214	1252.24	1037.37	1252.49	1037.62

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.82	0.2694	3.05	0.2713	1252.24	1037.37	1252.49	1037.62

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.8	0.3491	4.06	0.3522	1252.24	1037.37	1252.49	1037.62

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.77	0.4232	5.03	0.4285	1252.24	1037.37	1252.49	1037.62

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.81	0.2542	2.64	0.255	1252.24	1037.37	1252.49	1037.62