

Report Details

Report Location	C:\Users\Didattica\Desktop\chim_fis_2\2015\15a7a8\brbn.pdf
Report Creator	user
Report Date	Monday, May 18, 2015 6:28 PM

Sample Details

10

Sample Name	10
Sample Description	Sample 040 By ir Date Monday, May 18 2015
Analyst	user
Creation Date	5/18/2015 5:39:33 PM
X-Axis Units	cm-1
Y-Axis Units	A

25

Sample Name	25
Sample Description	Sample 043 By ir Date Monday, May 18 2015
Analyst	user
Creation Date	5/18/2015 5:51:48 PM
X-Axis Units	cm-1
Y-Axis Units	A

30

Sample Name	30
Sample Description	Sample 044 By ir Date Monday, May 18 2015
Analyst	user
Creation Date	5/18/2015 5:55:57 PM
X-Axis Units	cm-1
Y-Axis Units	A

X

Sample Name	X
Sample Description	Sample 045 By ir Date Monday, May 18 2015
Analyst	user
Creation Date	5/18/2015 6:00:24 PM
X-Axis Units	cm-1
Y-Axis Units	A

15

Sample Name	15
Sample Description	Sample 046 By ir Date Monday, May 18 2015
Analyst	user
Creation Date	5/18/2015 6:07:37 PM
X-Axis Units	cm-1
Y-Axis Units	A

20

Sample Name	20
Sample Description	Sample 047 By ir Date Monday, May 18 2015
Analyst	user
Creation Date	5/18/2015 6:11:41 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

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

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

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	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

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	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

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	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

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	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

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	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

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	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

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	MIR
Crystal Type	Not Specified

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	MIR
Crystal Type	Not Specified

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	MIR
Crystal Type	Not Specified

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	MIR
Crystal Type	Not Specified

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	MIR
Crystal Type	Not Specified

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	MIR
Crystal Type	Not Specified

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

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	Passed
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	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

History

10

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/18/2015 5:39:33 PM		Sample 040 By ir Date Monday, May 18 2015
user	Atmospheric Correction	5/18/2015 5:39:33 PM		
user	Absorbance	5/18/2015 5:39:33 PM	"Channel:1", "Result.sp"	

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/18/2015 5:51:48 PM		Sample 043 By ir Date Monday, May 18 2015
user	Atmospheric Correction	5/18/2015 5:51:48 PM		
user	Absorbance	5/18/2015 5:51:48 PM	"Channel:1", "Result.sp"	

30

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/18/2015 5:55:57 PM		Sample 044 By ir Date Monday, May 18 2015
user	Atmospheric Correction	5/18/2015 5:55:57 PM		
user	Absorbance	5/18/2015 5:55:57 PM	"Channel:1", "Result.sp"	

x

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/18/2015 6:00:24 PM		Sample 045 By ir Date Monday, May 18 2015
user	Atmospheric Correction	5/18/2015 6:00:24 PM		
user	Absorbance	5/18/2015 6:00:24 PM	"Channel:1", "Result.sp"	

15

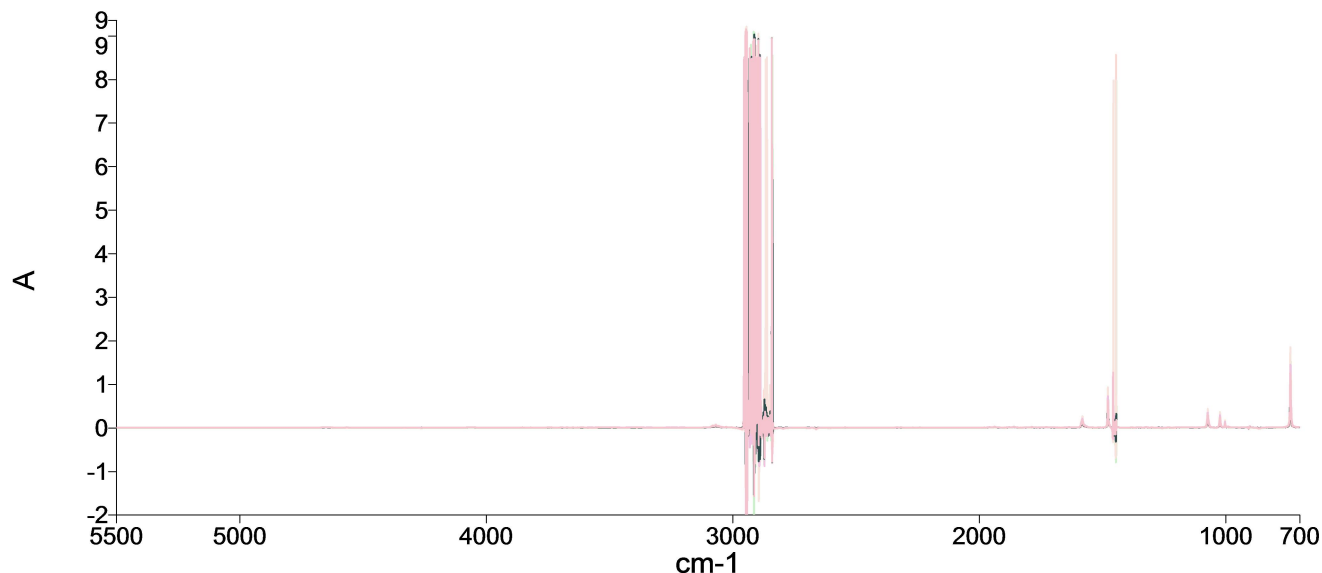
Who	What	When	Parameters	Comment
user	Created as New Dataset	5/18/2015 6:07:37 PM		Sample 046 By ir Date Monday, May 18 2015
user	Atmospheric Correction	5/18/2015 6:07:37 PM		
user	Absorbance	5/18/2015 6:07:37 PM	"Channel:1", "Result.sp"	

20

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/18/2015 6:11:41 PM		Sample 047 By ir Date Monday, May 18 2015

Who	What	When	Parameters	Comment
user	Atmospheric Correction	5/18/2015 6:11:41 PM		
user	Absorbance	5/18/2015 6:11:41 PM	"Channel:1", "Result.sp"	

Spectrum



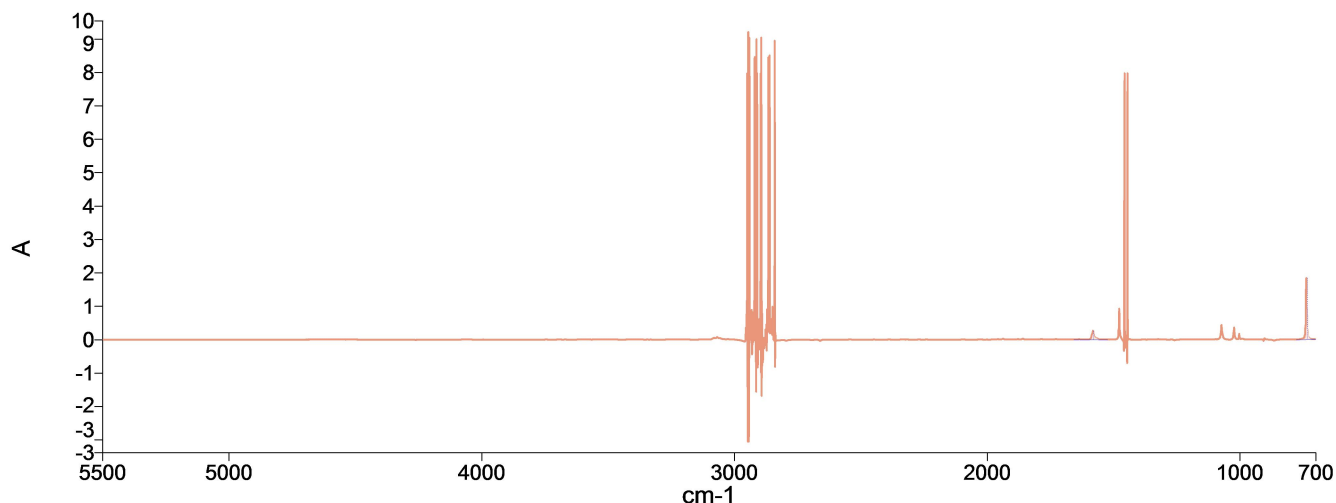
Name	Description
10	Sample 040 By ir Date Monday, May 18 2015
25	Sample 043 By ir Date Monday, May 18 2015
30	Sample 044 By ir Date Monday, May 18 2015
X	Sample 045 By ir Date Monday, May 18 2015
15	Sample 046 By ir Date Monday, May 18 2015
20	Sample 047 By ir Date Monday, May 18 2015

Summary

Sample Name	Description	Quality
10	Sample 040 By ir Date Monday, May 18 2015	The Quality Checks give rise to multiple warnings for the sample.
25	Sample 043 By ir Date Monday, May 18 2015	The Quality Checks give rise to multiple warnings for the sample.
30	Sample 044 By ir Date Monday, May 18 2015	The Quality Checks give rise to multiple warnings for the sample.
X	Sample 045 By ir Date Monday, May 18 2015	The Quality Checks give rise to multiple warnings for the sample.

Sample Name	Description	Quality
15	Sample 046 By ir Date Monday, May 18 2015	The Quality Checks give rise to multiple warnings for the sample.
20	Sample 047 By ir Date Monday, May 18 2015	The Quality Checks give rise to multiple warnings for the sample.

Peak Table Spectrum



Name Description
30 Sample 044 By ir Date Monday, May 18 2015

Peak Area/Height Results

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.6	1.4438	6.8	1.4357	771.02	700	799.38	700.12
2	1580.05	0.2035	2.56	0.2017	1835.83	1547.94	1835.83	1545.34

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	1.2397	5.84	1.2328	771.02	700	799.38	700.12
2	1580.05	0.1742	2.16	0.1723	1835.83	1547.94	1835.33	1545.33

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.58	0.6146	3.56	0.6135	859.25	700	859.25	700.12
2	1580.06	0.0837	1.03	0.0847	1610.27	1505.05	2662.07	1505.05

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	0.8744	4.13	0.8702	776.25	700	787.53	700.12
2	1580.06	0.121	1.38	0.1208	1607.39	1528.8	1800.72	1528.8

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	1.5503	7.33	1.542	798.51	700	797.5	700.12
2	1580.05	0.2192	2.53	0.2189	1618.99	1522.73	1835.27	1522.73

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	1.8507	8.83	1.8407	777.14	700	778.25	700.12
2	1580.04	0.2645	3.04	0.2639	1613.85	1524.86	1659.24	1524.86