

Report Details

Report Location C:\Users\Didattica\Desktop\chim_fis_2\2016\c1c2c3\Samples View 1.pdf
Report Creator user
Report Date Thursday, May 26, 2016 10:55 AM

Sample Details

brbn10

Sample Name brbn10
Sample Description Sample 009 By ir Date Thursday, May 26 2016
Analyst user
Creation Date 5/26/2016 10:17:05 AM
X-Axis Units cm-1
Y-Axis Units A

brbn15

Sample Name brbn15
Sample Description Sample 010 By ir Date Thursday, May 26 2016
Analyst user
Creation Date 5/26/2016 10:21:06 AM
X-Axis Units cm-1
Y-Axis Units A

brbn20

Sample Name brbn20
Sample Description Sample 011 By ir Date Thursday, May 26 2016
Analyst user
Creation Date 5/26/2016 10:25:35 AM
X-Axis Units cm-1
Y-Axis Units A

brbn25

Sample Name brbn25
Sample Description Sample 012 By ir Date Thursday, May 26 2016
Analyst user
Creation Date 5/26/2016 10:30:16 AM
X-Axis Units cm-1
Y-Axis Units A

brbn30

Sample Name brbn30
Sample Description Sample 013 By ir Date Thursday, May 26 2016
Analyst user
Creation Date 5/26/2016 10:33:42 AM
X-Axis Units cm-1
Y-Axis Units A

brbn_x

Sample Name brbn_x
Sample Description Sample 014 By ir Date Thursday, May 26 2016
Analyst user
Creation Date 5/26/2016 10:53:14 AM
X-Axis Units cm-1
Y-Axis Units A

Instrument Details

brbn10

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

brbn15

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

brbn20

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

brbn25

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

brbn30

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

brbn_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)

brbn10

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

brbn15

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

brbn20

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

brbn25

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

brbn30

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

brbn_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

brbn10

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

brbn15

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

brbn20
 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

brbn25
 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

brbn30
 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

brbn_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

brbn10
 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

brbn15
 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

brbn20

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

brbn25

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

brbn30

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

brbn_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

History

brbn10

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/26/2016 10:17:05 AM		Sample 009 By ir Date Thursday, May 26 2016
user	Atmospheric Correction	5/26/2016 10:17:05 AM		
user	Absorbance	5/26/2016 10:17:05 AM	"Channel:1", "Result.sp"	

brbn15

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/26/2016 10:21:06 AM		Sample 010 By ir Date Thursday, May 26 2016
user	Atmospheric Correction	5/26/2016 10:21:06 AM		
user	Absorbance	5/26/2016 10:21:07 AM	"Channel:1", "Result.sp"	

brbn20

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/26/2016 10:25:35 AM		Sample 011 By ir Date Thursday, May 26 2016
user	Atmospheric Correction	5/26/2016 10:25:35 AM		
user	Absorbance	5/26/2016 10:25:35 AM	"Channel:1", "Result.sp"	

brbn25

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/26/2016 10:30:16 AM		Sample 012 By ir Date Thursday, May 26 2016
user	Atmospheric Correction	5/26/2016 10:30:16 AM		
user	Absorbance	5/26/2016 10:30:16 AM	"Channel:1", "Result.sp"	

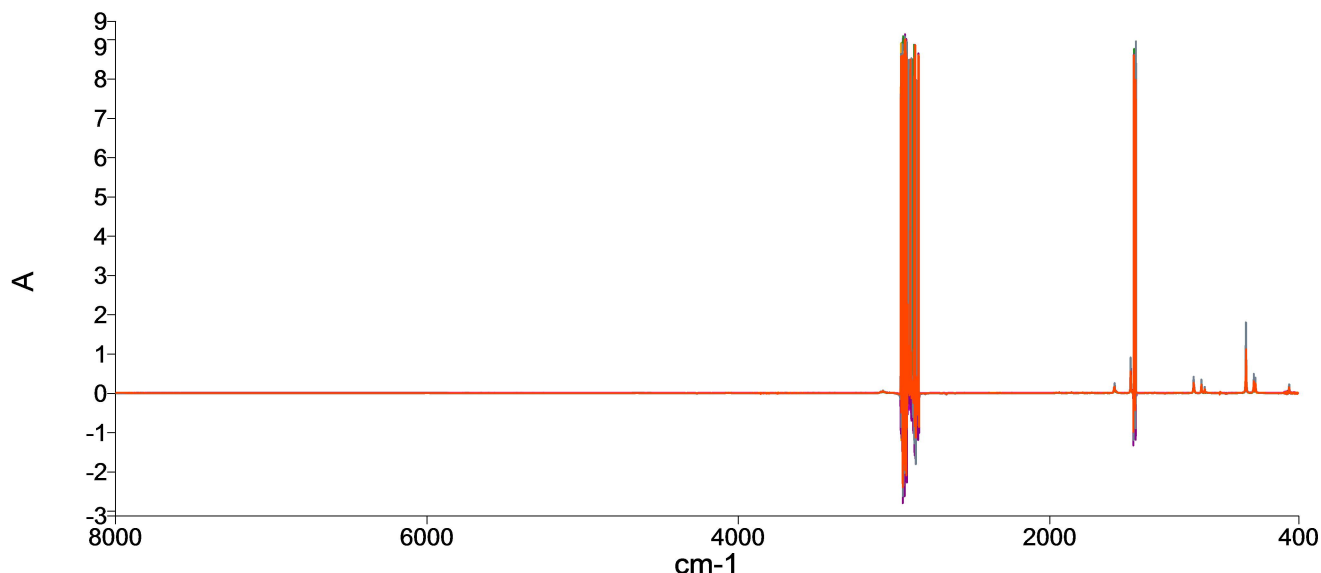
brbn30

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/26/2016 10:33:42 AM		Sample 013 By ir Date Thursday, May 26 2016
user	Atmospheric Correction	5/26/2016 10:33:42 AM		
user	Absorbance	5/26/2016 10:33:42 AM	"Channel:1", "Result.sp"	

brbn_x

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/26/2016 10:53:14 AM		Sample 014 By ir Date Thursday, May 26 2016
user	Atmospheric Correction	5/26/2016 10:53:14 AM		
user	Absorbance	5/26/2016 10:53:14 AM	"Channel:1", "Result.sp"	

Spectrum

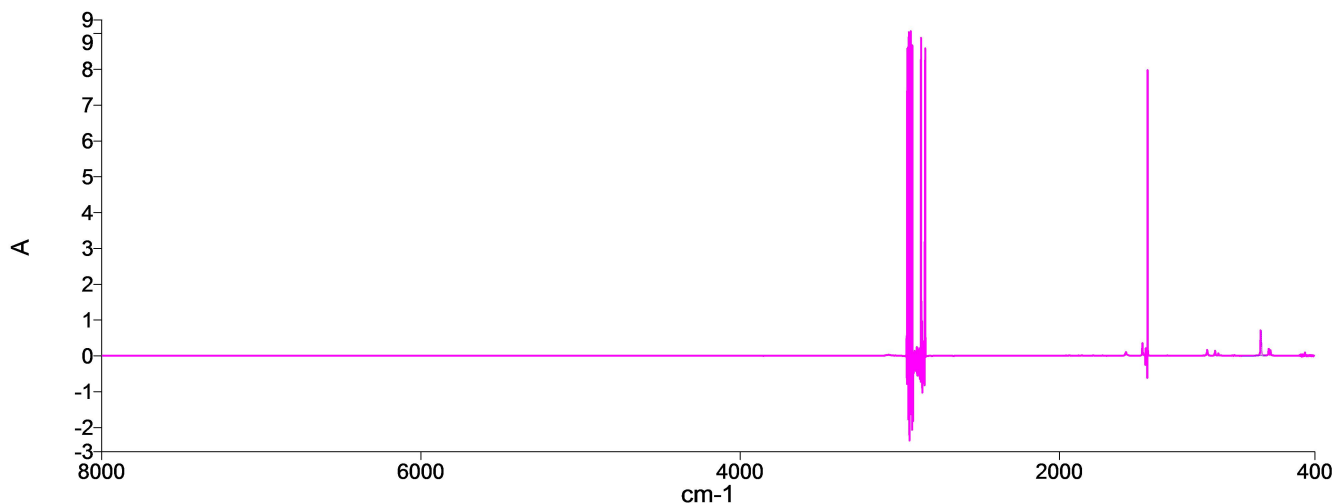


Name	Description
— brbn10	Sample 009 By ir Date Thursday, May 26 2016
— brbn15	Sample 010 By ir Date Thursday, May 26 2016
— brbn20	Sample 011 By ir Date Thursday, May 26 2016
— brbn25	Sample 012 By ir Date Thursday, May 26 2016
— brbn30	Sample 013 By ir Date Thursday, May 26 2016
— brbn_x	Sample 014 By ir Date Thursday, May 26 2016

Summary

Sample Name	Description	Quality
brbn10	Sample 009 By ir Date Thursday, May 26 2016	The Quality Checks give rise to multiple warnings for the sample.
brbn15	Sample 010 By ir Date Thursday, May 26 2016	The Quality Checks give rise to multiple warnings for the sample.
brbn20	Sample 011 By ir Date Thursday, May 26 2016	The Quality Checks give rise to multiple warnings for the sample.
brbn25	Sample 012 By ir Date Thursday, May 26 2016	The Quality Checks give rise to multiple warnings for the sample.
brbn30	Sample 013 By ir Date Thursday, May 26 2016	The Quality Checks give rise to multiple warnings for the sample.
brbn_x	Sample 014 By ir Date Thursday, May 26 2016	The Quality Checks give rise to multiple warnings for the sample.

Peak Table Spectrum



Name Description
 brbn10 Sample 009 By ir Date Thursday, May 26 2016

Peak Area/Height Results

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.57	0.7089	3.9	0.7043	857.84	704.98	857.84	704.98

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.58	0.91	4.92	0.9086	857.84	704.98	857.59	704.86

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	1.2219	6.71	1.2197	857.84	704.98	857.71	704.97

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	1.5458	8.5	1.5428	857.84	704.98	857.59	704.79

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.85	0.1617	2.6	0.1603	1419.68	1037.12	1419.68	1037.12

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.84	0.2055	2.25	0.2085	1419.68	1037.12	1419.93	1037.37

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.83	0.2786	3.15	0.2825	1419.68	1037.12	1419.93	1037.37

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.81	0.3568	3.83	0.3603	1419.68	1037.12	1419.93	1037.26

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.79	0.4194	4.71	0.425	1419.68	1037.12	1419.93	1037.37

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.57	0.7089	3.9	0.7043	857.84	704.98	857.84	704.98

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.58	0.91	4.92	0.9086	857.84	704.98	857.59	704.86

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	1.2219	6.71	1.2197	857.84	704.98	857.71	704.97

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	1.5458	8.5	1.5428	857.84	704.98	857.59	704.79

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	1.8075	10	1.8042	857.84	704.98	857.72	704.73

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.57	1.113	6.13	1.1115	857.84	704.98	858	704.73