

Report Details

Report Location	C:\Users\Didattica\Desktop\chim_fis_2\2015\b7b8\brbn.pdf
Report Creator	user
Report Date	Wednesday, May 20, 2015 5:43 PM

Sample Details

10

Sample Name	10
Sample Description	Sample 053 By ir Date Wednesday, May 20 2015
Analyst	user
Creation Date	5/20/2015 5:13:42 PM
X-Axis Units	cm-1
Y-Axis Units	A

20

Sample Name	20
Sample Description	Sample 055 By ir Date Wednesday, May 20 2015
Analyst	user
Creation Date	5/20/2015 5:22:06 PM
X-Axis Units	cm-1
Y-Axis Units	A

25

Sample Name	25
Sample Description	Sample 056 By ir Date Wednesday, May 20 2015
Analyst	user
Creation Date	5/20/2015 5:25:38 PM
X-Axis Units	cm-1
Y-Axis Units	A

30

Sample Name	30
Sample Description	Sample 057 By ir Date Wednesday, May 20 2015
Analyst	user
Creation Date	5/20/2015 5:30:33 PM
X-Axis Units	cm-1
Y-Axis Units	A

15

Sample Name	15
Sample Description	Sample 058 By ir Date Wednesday, May 20 2015
Analyst	user
Creation Date	5/20/2015 5:36:16 PM
X-Axis Units	cm-1
Y-Axis Units	A

x

Sample Name	x
Sample Description	Sample 059 By ir Date Wednesday, May 20 2015
Analyst	user
Creation Date	5/20/2015 5:40:37 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

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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
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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

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Apodization	Strong
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Scan Direction	Combined
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Slide Holder Option	MIR
Crystal Type	Not Specified

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Accessory

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Crystal Type	Not Specified

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Temperature / °C	Not Specified
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Slide Holder Option	MIR
Crystal Type	Not Specified

x

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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

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

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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
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Negative Bands	Warning
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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

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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

History

10

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/20/2015 5:13:42 PM		Sample 053 By ir Date Wednesday, May 20 2015
user	Atmospheric Correction	5/20/2015 5:13:42 PM		
user	Absorbance	5/20/2015 5:13:42 PM	"Channel:1", "Result.sp"	

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/20/2015 5:22:06 PM		Sample 055 By ir Date Wednesday, May 20 2015
user	Atmospheric Correction	5/20/2015 5:22:06 PM		
user	Absorbance	5/20/2015 5:22:06 PM	"Channel:1", "Result.sp"	

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Who	What	When	Parameters	Comment
user	Created as New Dataset	5/20/2015 5:25:38 PM		Sample 056 By ir Date Wednesday, May 20 2015
user	Atmospheric Correction	5/20/2015 5:25:38 PM		
user	Absorbance	5/20/2015 5:25:38 PM	"Channel:1", "Result.sp"	

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Who	What	When	Parameters	Comment
user	Created as New Dataset	5/20/2015 5:30:33 PM		Sample 057 By ir Date Wednesday, May 20 2015
user	Atmospheric Correction	5/20/2015 5:30:33 PM		
user	Absorbance	5/20/2015 5:30:33 PM	"Channel:1", "Result.sp"	

15

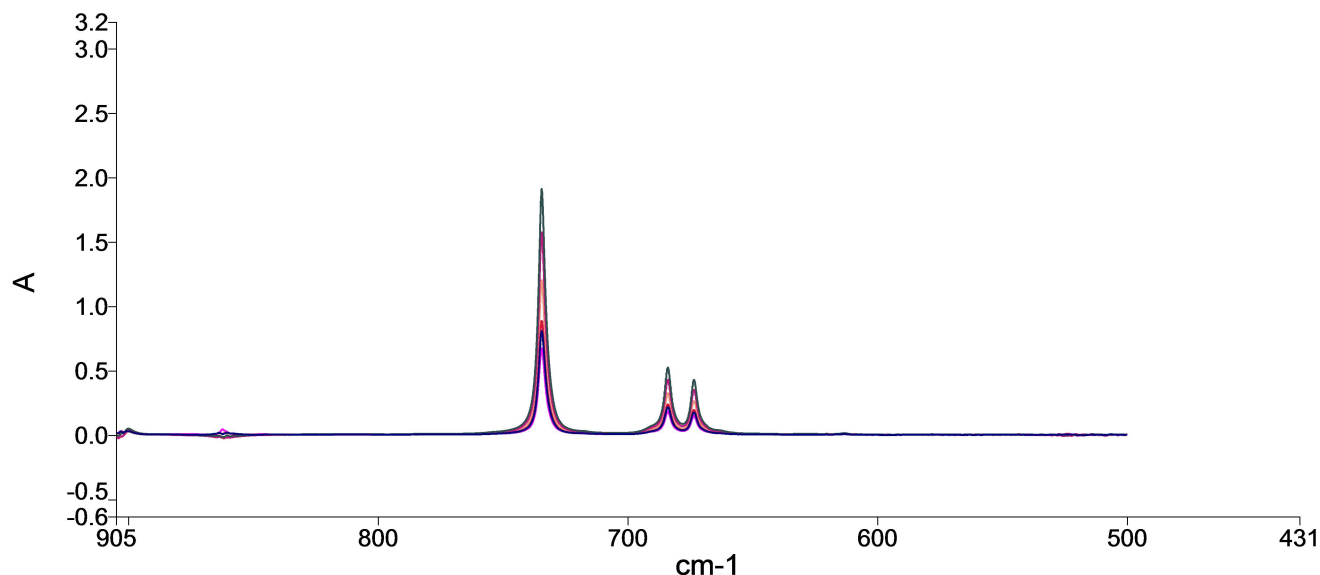
Who	What	When	Parameters	Comment
user	Created as New Dataset	5/20/2015 5:36:16 PM		Sample 058 By ir Date Wednesday, May 20 2015
user	Atmospheric Correction	5/20/2015 5:36:16 PM		
user	Absorbance	5/20/2015 5:36:16 PM	"Channel:1", "Result.sp"	

x

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/20/2015 5:40:37 PM		Sample 059 By ir Date Wednesday, May 20 2015

Who	What	When	Parameters	Comment
user	Atmospheric Correction	5/20/2015 5:40:37 PM		
user	Absorbance	5/20/2015 5:40:37 PM	"Channel:1", "Result.sp"	

Spectrum



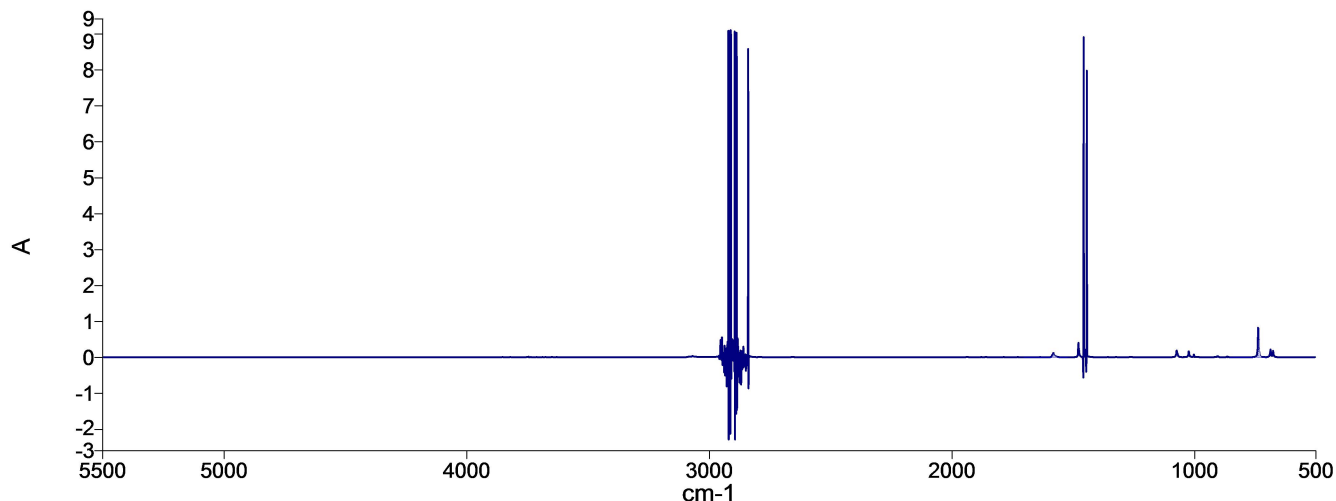
Name	Description
10	Sample 053 By ir Date Wednesday, May 20 2015
20	Sample 055 By ir Date Wednesday, May 20 2015
25	Sample 056 By ir Date Wednesday, May 20 2015
30	Sample 057 By ir Date Wednesday, May 20 2015
15	Sample 058 By ir Date Wednesday, May 20 2015
x	Sample 059 By ir Date Wednesday, May 20 2015

Summary

Sample Name	Description	Quality
10	Sample 053 By ir Date Wednesday, May 20 2015	The Quality Checks give rise to multiple warnings for the sample.
20	Sample 055 By ir Date Wednesday, May 20 2015	The Quality Checks give rise to multiple warnings for the sample.
25	Sample 056 By ir Date Wednesday, May 20 2015	The Quality Checks give rise to multiple warnings for the sample.
30	Sample 057 By ir Date Wednesday, May 20 2015	The Quality Checks give rise to multiple warnings for the sample.

Sample Name	Description	Quality
15	Sample 058 By ir Date Wednesday, May 20 2015	The Quality Checks give rise to multiple warnings for the sample.
x	Sample 059 By ir Date Wednesday, May 20 2015	The Quality Checks give rise to multiple warnings for the sample.

Peak Table Spectrum



Name Description
x Sample 059 By ir Date Wednesday, May 20 2015

Peak Area/Height Results

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.58	0.6854	3.43	0.6828	856.03	704.33	856.03	704.33
2	1580.06	0.0947	1.15	0.0946	1640.12	1524.59	1704.6	1524.59

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	1.216	6.56	1.2118	856.03	704.33	856.16	704.46
2	1580.06	0.1716	2.04	0.1707	1640.12	1524.59	1704.5	1524.46

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.6	1.5869	8.57	1.5809	856.03	704.33	856.16	704.46
2	1580.05	0.2281	2.72	0.2269	1640.12	1524.59	1704.5	1524.46

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.6	1.9243	9.94	1.915	856.03	704.33	856.16	704.46
2	1580.05	0.2775	3.18	0.2745	1640.12	1524.59	1704.5	1524.46

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.57	0.8989	3.89	0.8917	856.03	704.33	855.9	704.46
2	1580.06	0.1262	1.39	0.1234	1640.12	1524.59	1704.5	1524.63

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.57	0.8199	3.52	0.8133	856.03	704.33	855.9	704.46
2	1580.07	0.1149	1.25	0.1121	1640.12	1524.59	1704.5	1524.46