

Report Details

Report Location	C:\Users\Didattica\Desktop\chim_fis_2\2015\b9\brbn.pdf
Report Creator	user
Report Date	Wednesday, May 27, 2015 6:24 PM

Sample Details

10

Sample Name	10
Sample Description	Sample 085 By ir Date Wednesday, May 27 2015
Analyst	user
Creation Date	5/27/2015 5:41:55 PM
X-Axis Units	cm-1
Y-Axis Units	A

15

Sample Name	15
Sample Description	Sample 086 By ir Date Wednesday, May 27 2015
Analyst	user
Creation Date	5/27/2015 5:47:31 PM
X-Axis Units	cm-1
Y-Axis Units	A

30

Sample Name	30
Sample Description	Sample 089 By ir Date Wednesday, May 27 2015
Analyst	user
Creation Date	5/27/2015 5:58:21 PM
X-Axis Units	cm-1
Y-Axis Units	A

25b

Sample Name	25b
Sample Description	Sample 091 By ir Date Wednesday, May 27 2015
Analyst	user
Creation Date	5/27/2015 6:15:13 PM
X-Axis Units	cm-1
Y-Axis Units	A

20c

Sample Name	20c
Sample Description	Sample 092 By ir Date Wednesday, May 27 2015

Analyst	user
Creation Date	5/27/2015 6:18:52 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

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25b

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

20c

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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

15

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

25b

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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
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
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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

20c

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
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Crystal Type	Not Specified

Accessory

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Accessory Type	Slide Holder
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Crystal Type	Not Specified
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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
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Manufacturer	L1600217
Part Number	L1600217
Description	Sample base plate assy (non RFID)
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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	Caution
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	Caution
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	Caution
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

25b

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

History

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/27/2015 5:41:55 PM		Sample 085 By ir Date Wednesday, May 27 2015
user	Atmospheric Correction	5/27/2015 5:41:55 PM		
user	Absorbance	5/27/2015 5:41:55 PM	"Channel:1", "Result.sp"	

15

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/27/2015 5:47:31 PM		Sample 086 By ir Date Wednesday, May 27 2015
user	Atmospheric Correction	5/27/2015 5:47:31 PM		
user	Absorbance	5/27/2015 5:47:31 PM	"Channel:1", "Result.sp"	

30

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/27/2015 5:58:21 PM		Sample 089 By ir Date Wednesday, May 27 2015
user	Atmospheric Correction	5/27/2015 5:58:21 PM		
user	Absorbance	5/27/2015 5:58:21 PM	"Channel:1", "Result.sp"	

25b

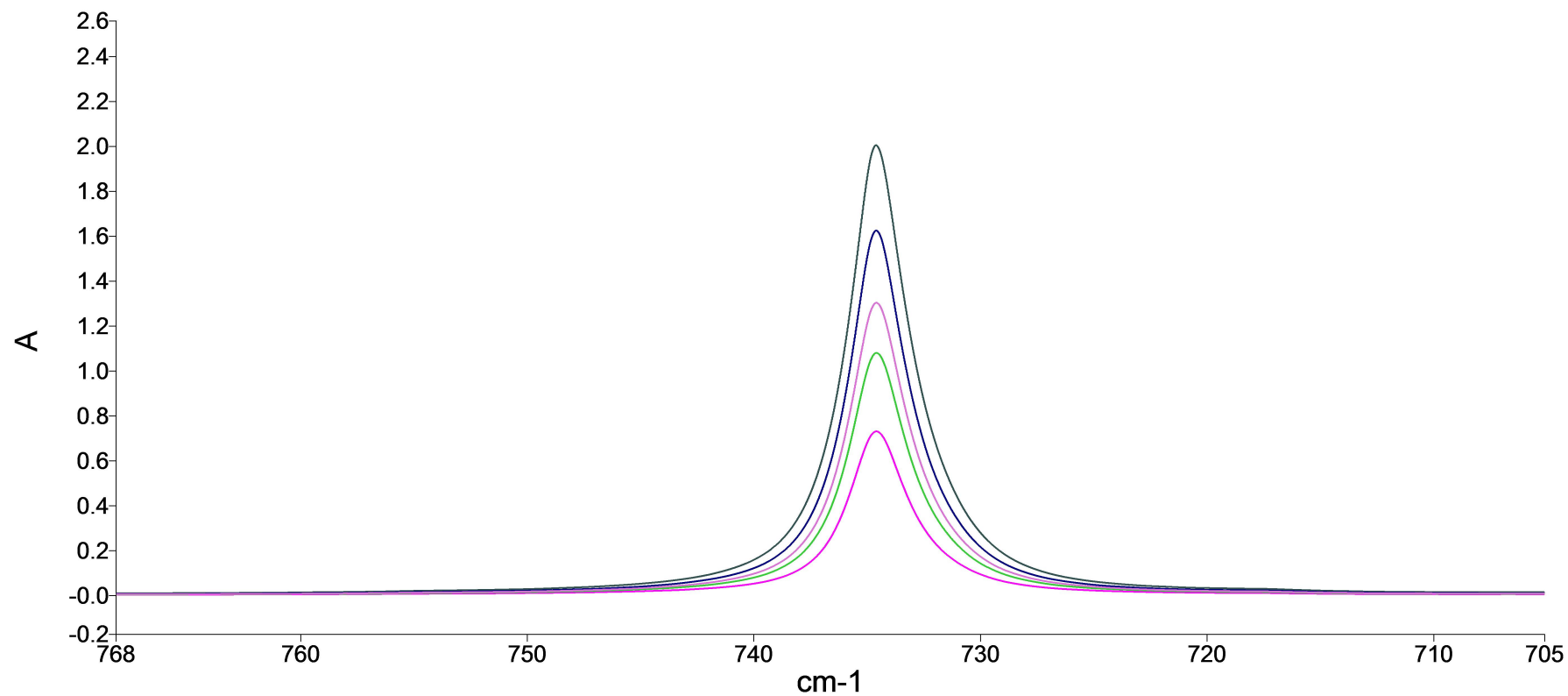
Who	What	When	Parameters	Comment
user	Created as New	5/27/2015 6:15:13		Sample 091 By ir

Who	What	When	Parameters	Comment
	Dataset	PM		Date Wednesday, May 27 2015
user	Atmospheric Correction	5/27/2015 6:15:13 PM		
user	Absorbance	5/27/2015 6:15:14 PM	"Channel:1", "Result.sp"	

20c

Who	What	When	Parameters	Comment
user	Created as New Dataset	5/27/2015 6:18:52 PM		Sample 092 By ir Date Wednesday, May 27 2015
user	Atmospheric Correction	5/27/2015 6:18:52 PM		
user	Absorbance	5/27/2015 6:18:53 PM	"Channel:1", "Result.sp"	

Spectrum

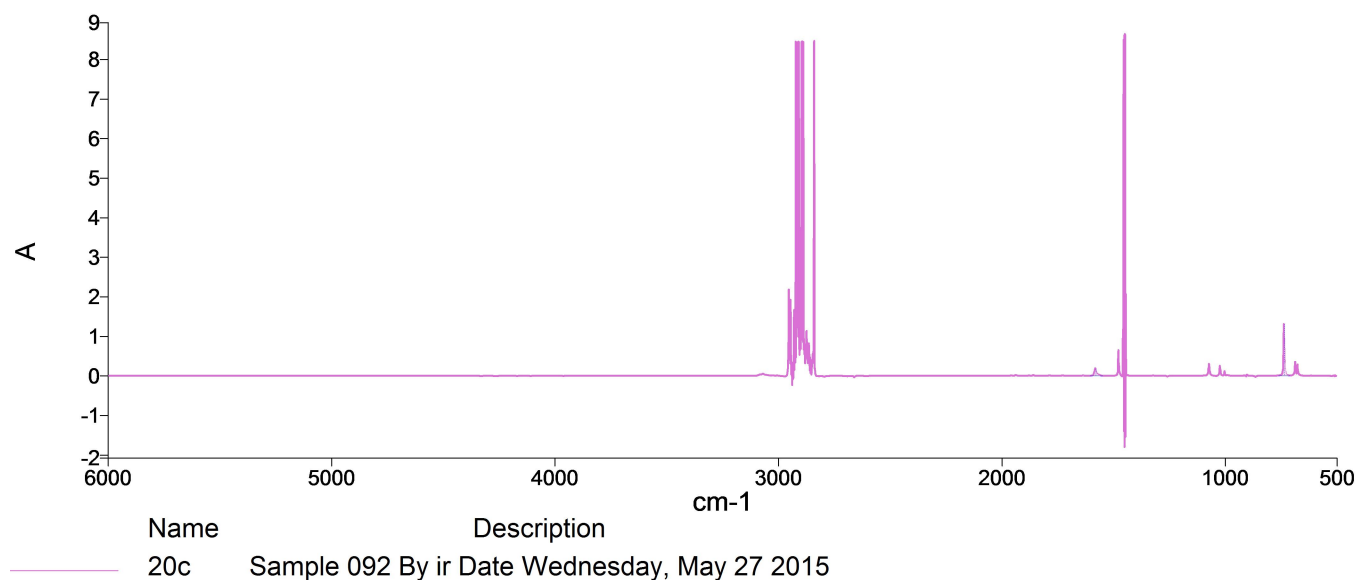


Name	Description
10	Sample 085 By ir Date Wednesday, May 27 2015
15	Sample 086 By ir Date Wednesday, May 27 2015
30	Sample 089 By ir Date Wednesday, May 27 2015
25b	Sample 091 By ir Date Wednesday, May 27 2015
20c	Sample 092 By ir Date Wednesday, May 27 2015

Summary

Sample Name	Description	Quality
10	Sample 085 By ir Date Wednesday, May 27 2015	The Quality Checks give rise to multiple warnings for the sample.
15	Sample 086 By ir Date Wednesday, May 27 2015	The Quality Checks give rise to multiple warnings for the sample.
30	Sample 089 By ir Date Wednesday, May 27 2015	The Quality Checks give rise to multiple warnings for the sample.
25b	Sample 091 By ir Date Wednesday, May 27 2015	The Quality Checks give rise to multiple warnings for the sample.
20c	Sample 092 By ir Date Wednesday, May 27 2015	The Quality Checks give rise to multiple warnings for the sample.

Peak Table Spectrum



Peak Area/Height Results

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	0.7361	3.39	0.7318	751.51	711.99	763.85	711.39
2	1580.06	0.1019	1.06	0.1007	1700.67	1550.45	1606.83	1550.24

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	1.0843	5.05	1.0778	751.51	711.99	763.85	711.19
2	1580.06	0.1522	1.79	0.1496	1700.67	1550.45	1606.03	1549.24

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.61	2.0091	9.58	1.9959	751.51	711.99	763.85	711.17
2	1580.04	0.2934	3.06	0.2888	1700.67	1550.45	1606.83	1550.16

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.6	1.6292	7.59	1.6197	751.51	711.99	763.85	711.24
2	1580.04	0.2317	2.56	0.2284	1700.67	1550.45	1606.65	1549.24

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.6	1.3087	6.11	1.301	751.51	711.99	763.85	711.36
2	1580.05	0.1852	2.07	0.1825	1700.67	1550.45	1606.77	1549.24