

Report Details

Report Location C:\Users\Didattica\Desktop\chim_fis_2\2016\c4c6\Samples View 1.pdf
Report Creator user
Report Date Thursday, June 09, 2016 11:06 AM

Sample Details

10

Sample Name 10
Sample Description Sample 062 By ir Date Thursday, June 09 2016
Analyst user
Creation Date 6/9/2016 10:22:14 AM
X-Axis Units cm-1
Y-Axis Units A

15

Sample Name 15
Sample Description Sample 063 By ir Date Thursday, June 09 2016
Analyst user
Creation Date 6/9/2016 10:26:25 AM
X-Axis Units cm-1
Y-Axis Units A

20

Sample Name 20
Sample Description Sample 064 By ir Date Thursday, June 09 2016
Analyst user
Creation Date 6/9/2016 10:29:38 AM
X-Axis Units cm-1
Y-Axis Units A

25

Sample Name 25
Sample Description Sample 065 By ir Date Thursday, June 09 2016
Analyst user
Creation Date 6/9/2016 10:33:43 AM
X-Axis Units cm-1
Y-Axis Units A

X

Sample Name X
Sample Description Sample 067 By ir Date Thursday, June 09 2016
Analyst user
Creation Date 6/9/2016 10:40:45 AM
X-Axis Units cm-1
Y-Axis Units A

30(2)

Sample Name 30(2)
Sample Description Sample 068 By ir Date Thursday, June 09 2016
Analyst user
Creation Date 6/9/2016 11:02:03 AM
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

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

30(2)

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

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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

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

30(2)

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
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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

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 Manufacturer L1600217
 Part Number L1600217
 Description Sample base plate assy (non RFID)
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 Accessory Type Slide Holder
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 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

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 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(2)
 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	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

30(2)

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	6/9/2016 10:22:14 AM		Sample 062 By ir Date Thursday, June 09 2016
user	Atmospheric Correction	6/9/2016 10:22:14 AM		
user	Absorbance	6/9/2016 10:22:14 AM	"Channel:1", "Result.sp"	

15

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/9/2016 10:26:25 AM		Sample 063 By ir Date Thursday, June 09 2016
user	Atmospheric Correction	6/9/2016 10:26:25 AM		
user	Absorbance	6/9/2016 10:26:25 AM	"Channel:1", "Result.sp"	

20

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/9/2016 10:29:38 AM		Sample 064 By ir Date Thursday, June 09 2016
user	Atmospheric Correction	6/9/2016 10:29:38 AM		
user	Absorbance	6/9/2016 10:29:38 AM	"Channel:1", "Result.sp"	

25

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/9/2016 10:33:43 AM		Sample 065 By ir Date Thursday, June 09 2016
user	Atmospheric Correction	6/9/2016 10:33:43 AM		
user	Absorbance	6/9/2016 10:33:43 AM	"Channel:1", "Result.sp"	

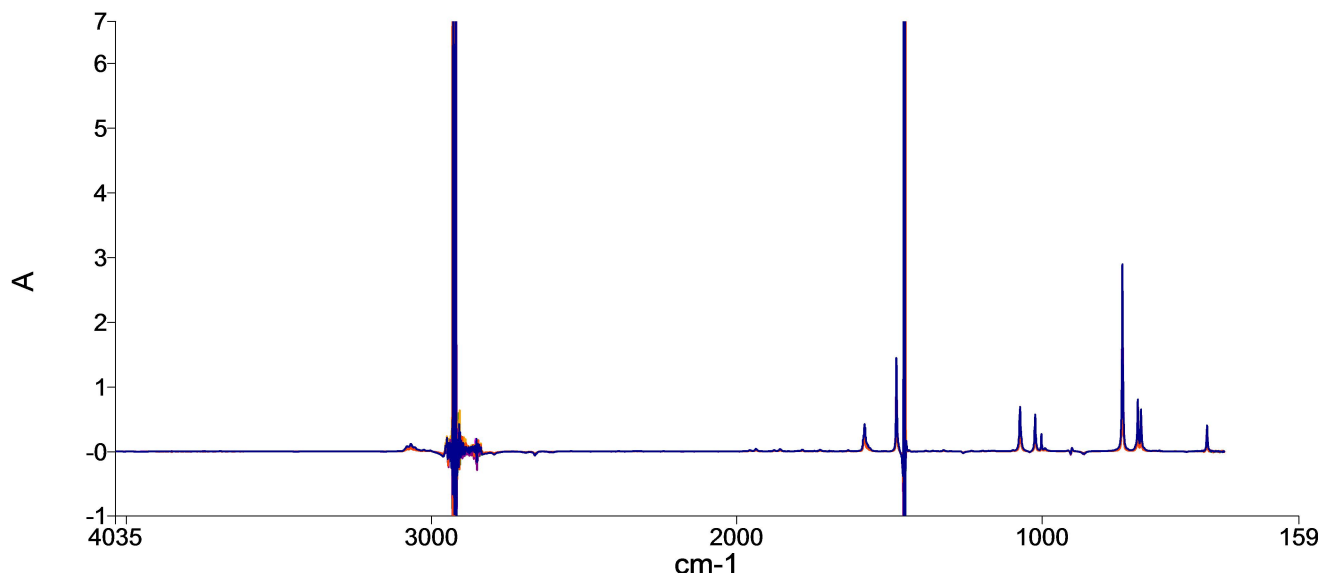
x

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/9/2016 10:40:45 AM		Sample 067 By ir Date Thursday, June 09 2016
user	Atmospheric Correction	6/9/2016 10:40:45 AM		
user	Absorbance	6/9/2016 10:40:45 AM	"Channel:1", "Result.sp"	

30(2)

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/9/2016 11:02:03 AM		Sample 068 By ir Date Thursday, June 09 2016
user	Atmospheric Correction	6/9/2016 11:02:03 AM		
user	Absorbance	6/9/2016 11:02:03 AM	"Channel:1", "Result.sp"	

Spectrum

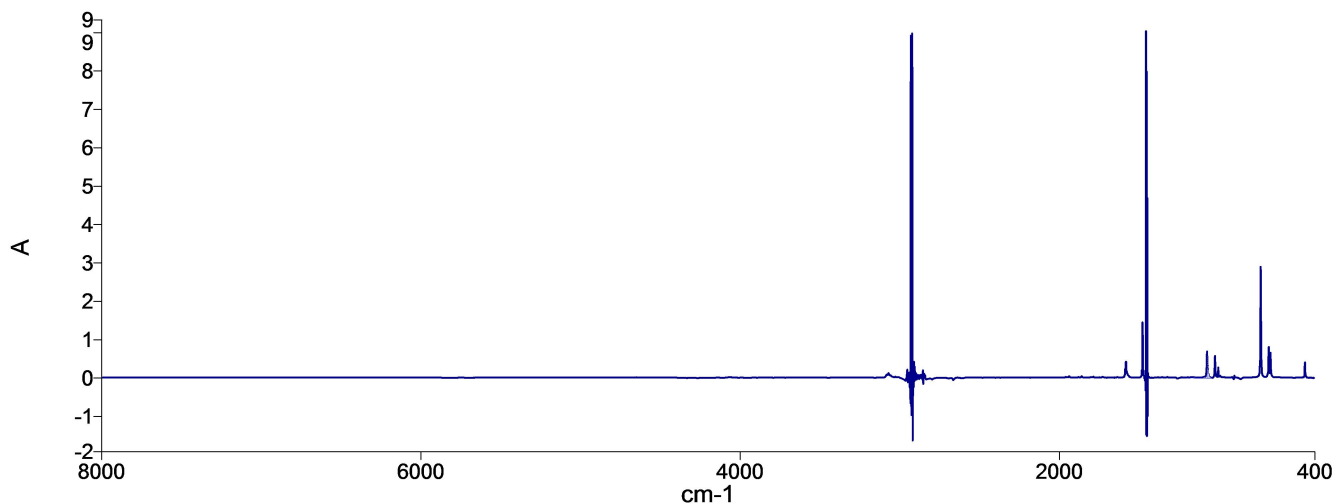


Name	Description
10	Sample 062 By ir Date Thursday, June 09 2016
15	Sample 063 By ir Date Thursday, June 09 2016
20	Sample 064 By ir Date Thursday, June 09 2016
25	Sample 065 By ir Date Thursday, June 09 2016
X	Sample 067 By ir Date Thursday, June 09 2016
30(2)	Sample 068 By ir Date Thursday, June 09 2016

Summary

Sample Name	Description	Quality
10	Sample 062 By ir Date Thursday, June 09 2016	The Quality Checks give rise to multiple warnings for the sample.
15	Sample 063 By ir Date Thursday, June 09 2016	The Quality Checks give rise to multiple warnings for the sample.
20	Sample 064 By ir Date Thursday, June 09 2016	The Quality Checks give rise to multiple warnings for the sample.
25	Sample 065 By ir Date Thursday, June 09 2016	The Quality Checks give rise to multiple warnings for the sample.
X	Sample 067 By ir Date Thursday, June 09 2016	The Quality Checks give rise to multiple warnings for the sample.
30(2)	Sample 068 By ir Date Thursday, June 09 2016	The Quality Checks give rise to multiple warnings for the sample.

Peak Table Spectrum



Name Description
 30(2) Sample 068 By ir Date Thursday, June 09 2016

Peak Area/Height Results

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.57	1.4862	7.1	1.4784	832.86	704.81	835.32	704.81

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	1.9652	9.44	1.955	832.86	704.81	835.32	704.92

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.59	2.2536	10.87	2.2408	832.86	704.81	835.32	704.74

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.63	2.5537	12.57	2.54	832.86	704.81	835.32	704.56

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.56	1.4393	6.84	1.4313	832.86	704.81	835.32	704.79

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.64	2.8974	13.91	2.8815	832.86	704.81	835.32	704.62

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.79	0.3455	3.42	0.3509	1202.75	1039	1203.09	1039

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.77	0.4624	4.6	0.4699	1202.75	1039	1203.09	1039.25

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.75	0.5358	5.25	0.5434	1202.75	1039	1203.09	1039.21

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.73	0.6225	6.21	0.6334	1202.75	1039	1203.09	1039.24

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.79	0.3336	3.36	0.3393	1202.75	1039	1203.09	1039.12

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.73	0.6886	6.5	0.6963	1202.75	1039	1203.09	1038.75