

Report Details

Report Location C:\Users\Didattica\Desktop\chim_fis_2\2016\b5b6\bromobenzene.pdf
Report Creator user
Report Date Wednesday, June 15, 2016 4:43 PM

Sample Details

10

Sample Name C:\Users\Didattica\Desktop\chim_fis_2\2016\b5b6\10.sp
Sample Description Sample 013 By ir Date Wednesday, June 15 2016
Analyst user
Creation Date 6/15/2016 4:16:43 PM
X-Axis Units cm-1
Y-Axis Units A

15

Sample Name C:\Users\Didattica\Desktop\chim_fis_2\2016\b5b6\15.sp
Sample Description Sample 014 By ir Date Wednesday, June 15 2016
Analyst user
Creation Date 6/15/2016 4:22:11 PM
X-Axis Units cm-1
Y-Axis Units A

20

Sample Name C:\Users\Didattica\Desktop\chim_fis_2\2016\b5b6\20.sp
Sample Description Sample 015 By ir Date Wednesday, June 15 2016
Analyst user
Creation Date 6/15/2016 4:28:15 PM
X-Axis Units cm-1
Y-Axis Units A

25

Sample Name C:\Users\Didattica\Desktop\chim_fis_2\2016\b5b6\25.sp
Sample Description Sample 016 By ir Date Wednesday, June 15 2016
Analyst user
Creation Date 6/15/2016 4:36:35 PM
X-Axis Units cm-1
Y-Axis Units A

30

Sample Name C:\Users\Didattica\Desktop\chim_fis_2\2016\b5b6\30.sp
Sample Description Sample 017 By ir Date Wednesday, June 15 2016
Analyst user
Creation Date 6/15/2016 4:39:59 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 00.02.0079 15-December-2014 11:35:32
Number of Scans 4
Resolution 1

15

Instrument Model Spectrum Two

Instrument Serial Number 100169
 Software Revision NIOS2 Main 00.02.0079 15-December-2014 11:35:32
 Number of Scans 4
 Resolution 1

20

Instrument Model Spectrum Two
 Instrument Serial Number 100169
 Software Revision NIOS2 Main 00.02.0079 15-December-2014 11:35:32
 Number of Scans 4
 Resolution 1

25

Instrument Model Spectrum Two
 Instrument Serial Number 100169
 Software Revision NIOS2 Main 00.02.0079 15-December-2014 11:35:32
 Number of Scans 4
 Resolution 1

30

Instrument Model Spectrum Two
 Instrument Serial Number 100169
 Software Revision NIOS2 Main 00.02.0079 15-December-2014 11:35:32
 Number of Scans 4
 Resolution 1

Instrument Details (Full)

10

Instrument Model Spectrum Two
 Instrument Serial Number 100169
 Software Revision NIOS2 Main 00.02.0079 15-December-2014 11:35:32
 Number of Scans 4
 Resolution 1
 Detector LiTa03
 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 Not Specified

15

Instrument Model Spectrum Two

Instrument Serial Number	100169
Software Revision	NIOS2 Main 00.02.0079 15-December-2014 11:35:32
Number of Scans	4
Resolution	1
Detector	LiTa03
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	Not Specified

20

Instrument Model	Spectrum Two
Instrument Serial Number	100169
Software Revision	NIOS2 Main 00.02.0079 15-December-2014 11:35:32
Number of Scans	4
Resolution	1
Detector	LiTa03
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	Not Specified

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Instrument Model	Spectrum Two
Instrument Serial Number	100169

Software Revision	NIOS2 Main 00.02.0079 15-December-2014 11:35:32
Number of Scans	4
Resolution	1
Detector	LiTa03
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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Instrument Serial Number	100169
Software Revision	NIOS2 Main 00.02.0079 15-December-2014 11:35:32
Number of Scans	4
Resolution	1
Detector	LiTa03
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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IR-Laser Wavenumber	11750.00
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Part Number	L1600217
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Default Scan Range / cm-1	4000 450
Temperature / °C	Not Specified
Accessory Type	Slide Holder
Slide Holder Option	Not Specified

Accessory

10

Manufacturer	L1600217
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Part Number	L1600217
Description	Sample base plate assy (non RFID)
Default Scan Range / cm-1	4000 450
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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
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Temperature / °C	Not Specified
Accessory Type	Slide Holder
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Manufacturer	L1600217
Part Number	L1600217
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Default Scan Range / cm-1	4000 450
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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	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

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

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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

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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

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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

History

10

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/15/2016 4:16:43 PM		Sample 013 By ir Date Wednesday, June 15 2016
user	Atmospheric Correction	6/15/2016 4:16:43 PM		
user	Absorbance	6/15/2016 4:16:44 PM	"Channel:1", "Result.sp"	

15

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/15/2016 4:22:11 PM		Sample 014 By ir Date Wednesday, June 15 2016
user	Atmospheric Correction	6/15/2016 4:22:11 PM		
user	Absorbance	6/15/2016 4:22:11 PM	"Channel:1", "Result.sp"	

20

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/15/2016 4:28:15 PM		Sample 015 By ir Date Wednesday, June 15 2016
user	Atmospheric Correction	6/15/2016 4:28:15 PM		
user	Absorbance	6/15/2016 4:28:15 PM	"Channel:1", "Result.sp"	

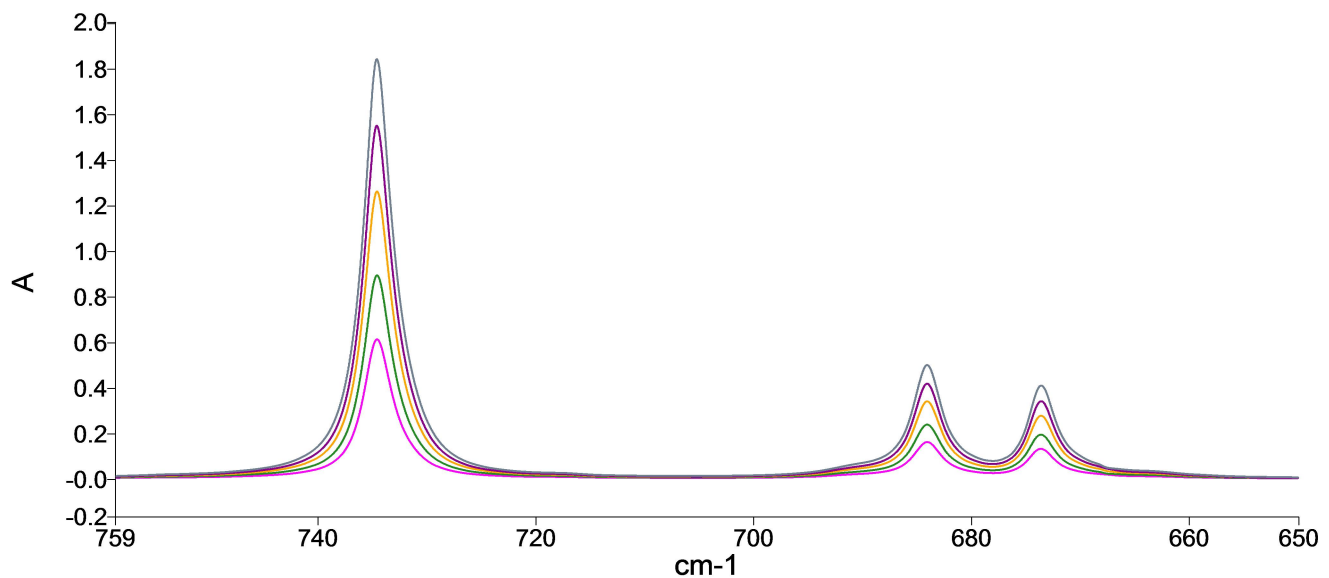
25

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/15/2016 4:36:35 PM		Sample 016 By ir Date Wednesday, June 15 2016
user	Atmospheric Correction	6/15/2016 4:36:35 PM		
user	Absorbance	6/15/2016 4:36:35 PM	"Channel:1", "Result.sp"	

30

Who	What	When	Parameters	Comment
user	Created as New Dataset	6/15/2016 4:39:59 PM		Sample 017 By ir Date Wednesday, June 15 2016
user	Atmospheric Correction	6/15/2016 4:39:59 PM		
user	Absorbance	6/15/2016 4:39:59 PM	"Channel:1", "Result.sp"	

Spectrum

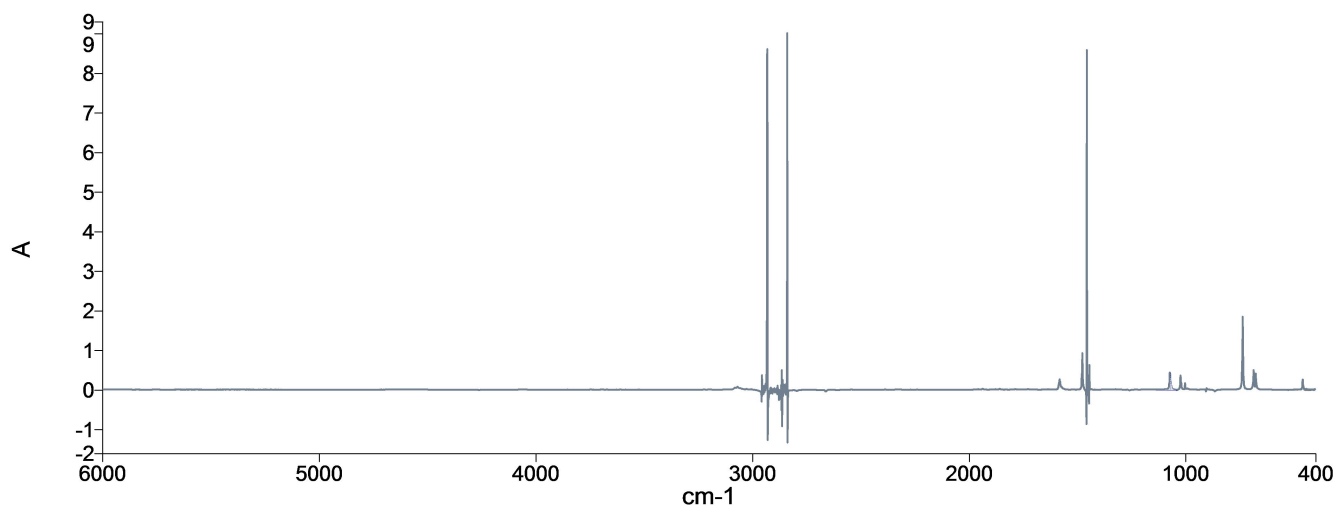


Name	Description
10	Sample 013 By ir Date Wednesday, June 15 2016
15	Sample 014 By ir Date Wednesday, June 15 2016
20	Sample 015 By ir Date Wednesday, June 15 2016
25	Sample 016 By ir Date Wednesday, June 15 2016
30	Sample 017 By ir Date Wednesday, June 15 2016

Summary

Sample Name	Description	Quality
10	Sample 013 By ir Date Wednesday, June 15 2016	The Quality Checks give rise to multiple warnings for the sample.
15	Sample 014 By ir Date Wednesday, June 15 2016	The Quality Checks give rise to multiple warnings for the sample.
20	Sample 015 By ir Date Wednesday, June 15 2016	The Quality Checks give rise to multiple warnings for the sample.
25	Sample 016 By ir Date Wednesday, June 15 2016	The Quality Checks give rise to multiple warnings for the sample.
30	Sample 017 By ir Date Wednesday, June 15 2016	The Quality Checks give rise to multiple warnings for the sample.

Peak Table Spectrum



Name Description
 30 Sample 017 By ir Date Wednesday, June 15 2016

Peak Area/Height Results

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.64	0.6192	2.93	0.6152	806.3	703.98	806.5	703.98

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.64	0.9013	4.32	0.8957	806.3	703.98	805.9	704.02

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.65	1.2676	6.05	1.2595	806.3	703.98	805.69	704.23

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.67	1.556	7.42	1.5471	806.3	703.98	806.5	704.23

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	734.67	1.8487	8.9	1.8384	806.3	703.98	805.74	703.73

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.95	0.1406	1.3	0.1425	1138.04	1039.23	1137.21	1039.23

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.94	0.2073	1.8	0.2086	1138.04	1039.23	1137.3	1038.98

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.93	0.2943	2.49	0.2955	1138.04	1039.23	1137.03	1039.24

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.91	0.3618	3	0.3627	1138.04	1039.23	1139.6	1039.14

Peak	X (cm-1)	Y (A)	Area (A)	Height (A)	Start	End	Base1	Base2
1	1070.89	0.4344	3.83	0.4392	1138.04	1039.23	1139.6	1039.1