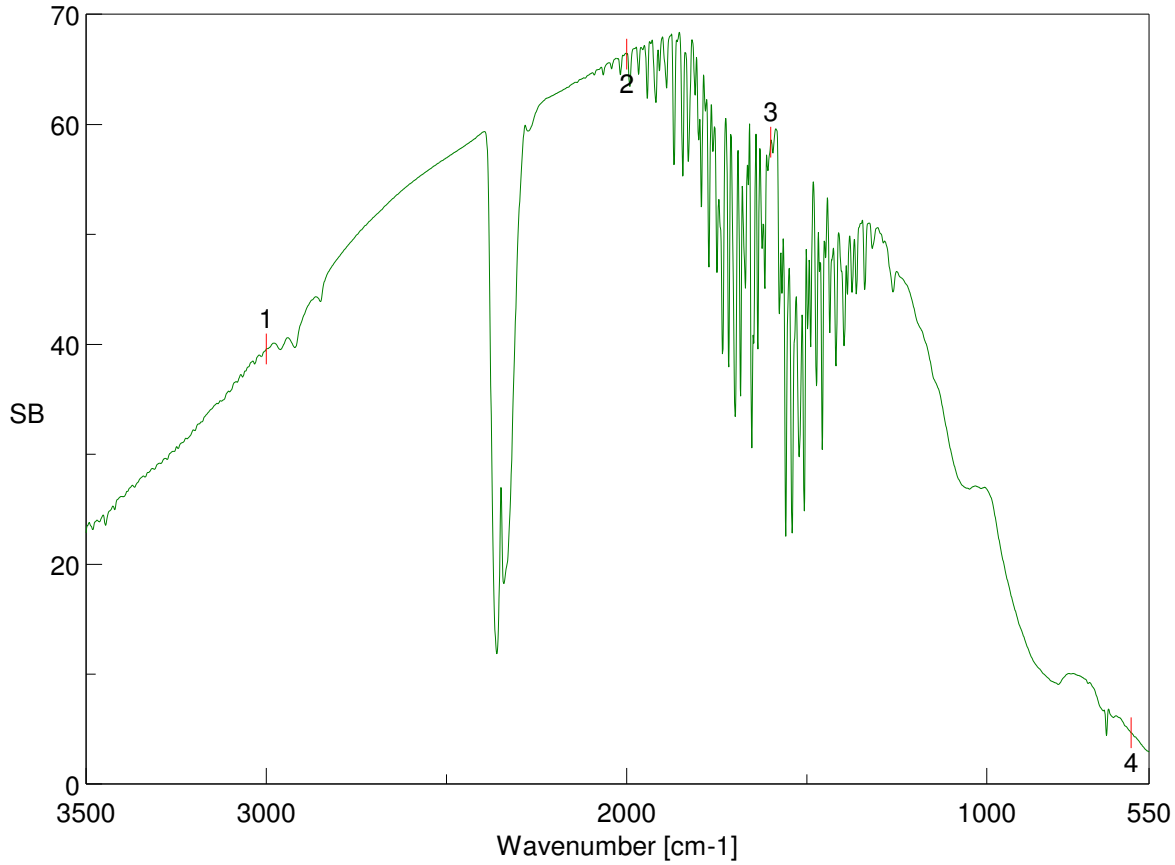
Peak Find - 01 - Nível de energia



[Comments]

Sample name	
Comment	
User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 14:23
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	SB
Start	549.613 cm-1
End	3500.17 cm-1
Data interval	0.964233 cm-1
Data points	3061

[Measurement Information]

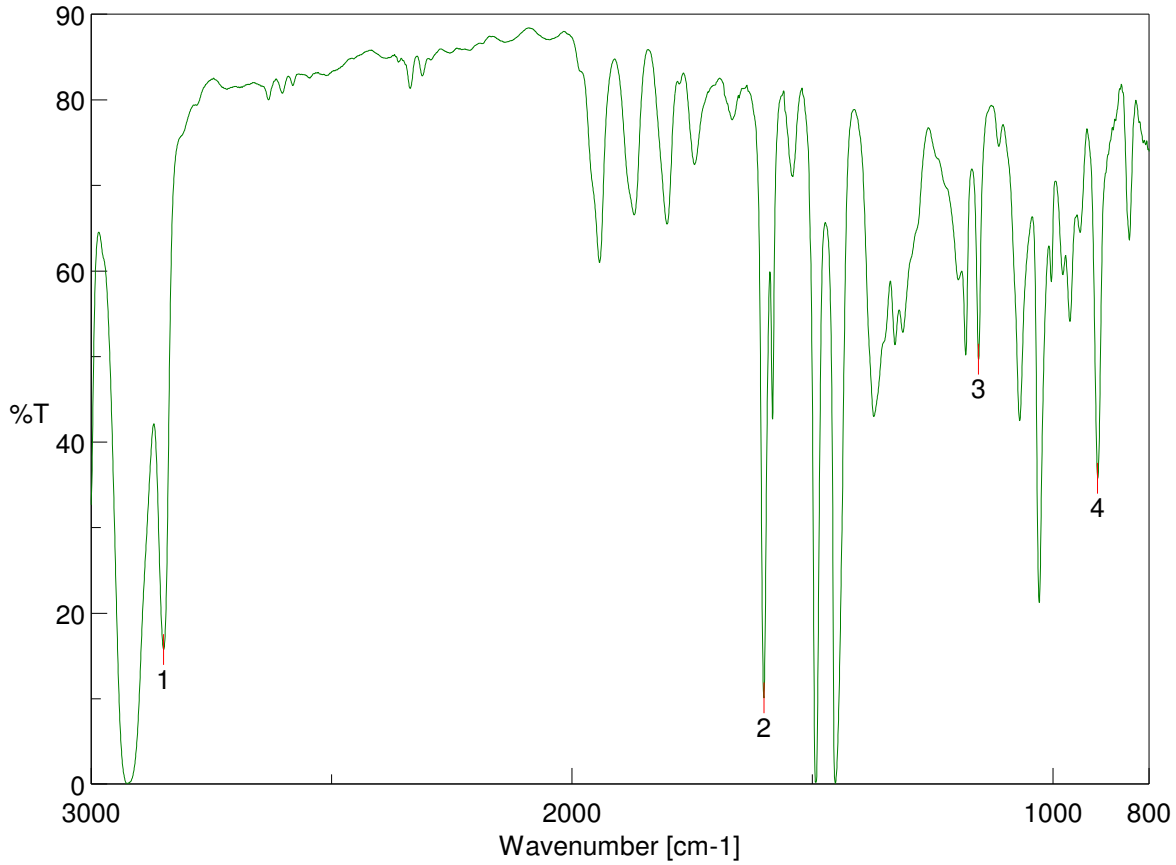
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 14:21
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	4 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (1)
Aperture	Auto (7.1 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2999.73	39.5416	2	1999.82	66.3568
3	1599.66	58.3677	4	599.753	4.65473

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 02 - Exatidão do número de onda - TMT



[Comments]
Sample name
Comment

User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 14:32
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	799.832 cm-1
End	3000.21 cm-1
Data interval	0.482117 cm-1
Data points	4565

[Measurement Information]

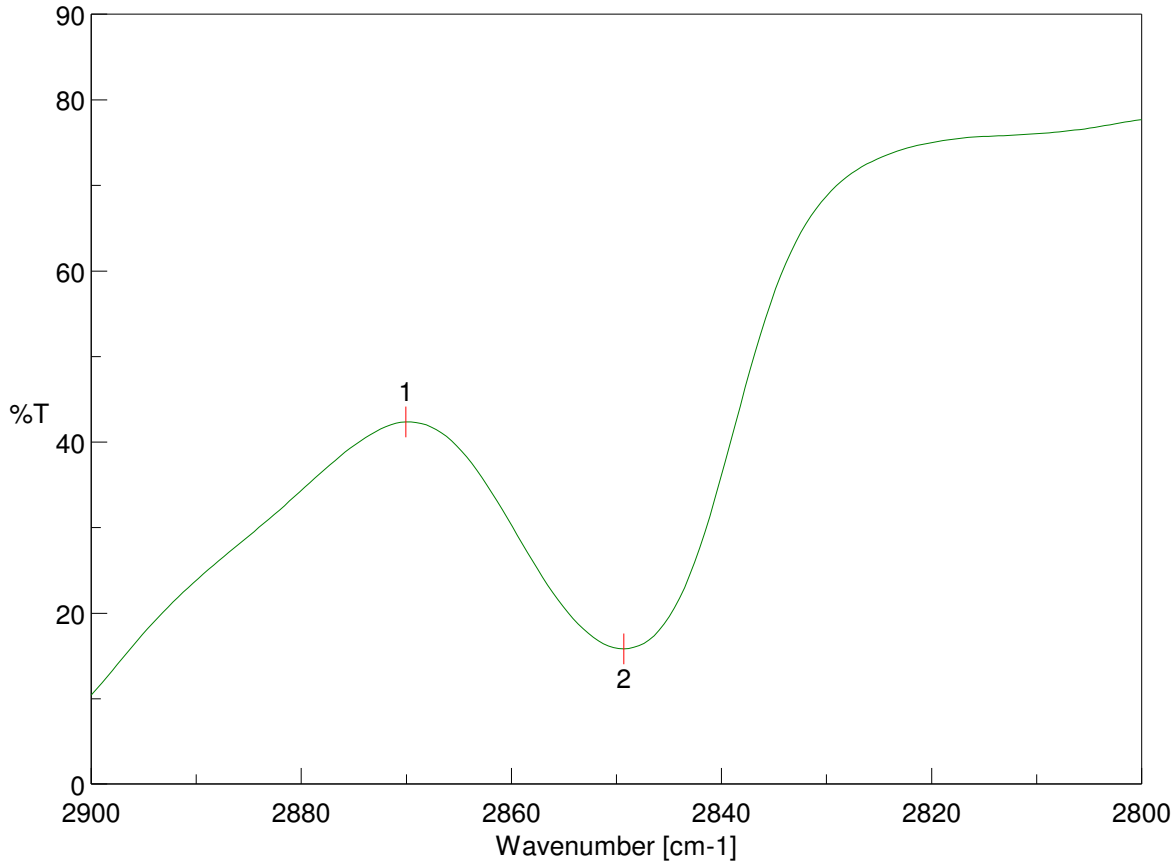
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 14:29
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	2 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (2)
Aperture	Auto (5 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2849.31	15.7292	2	1601.11	10.0792
3	1154.67	49.649	4	906.862	35.7318

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 03 - Resolução - TMT



[Comments]
Sample name
Comment

User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 14:35
Date modified	12/08/2026 14:35
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	799.832 cm-1
End	3000.21 cm-1
Data interval	0.482117 cm-1
Data points	4565

[Measurement Information]

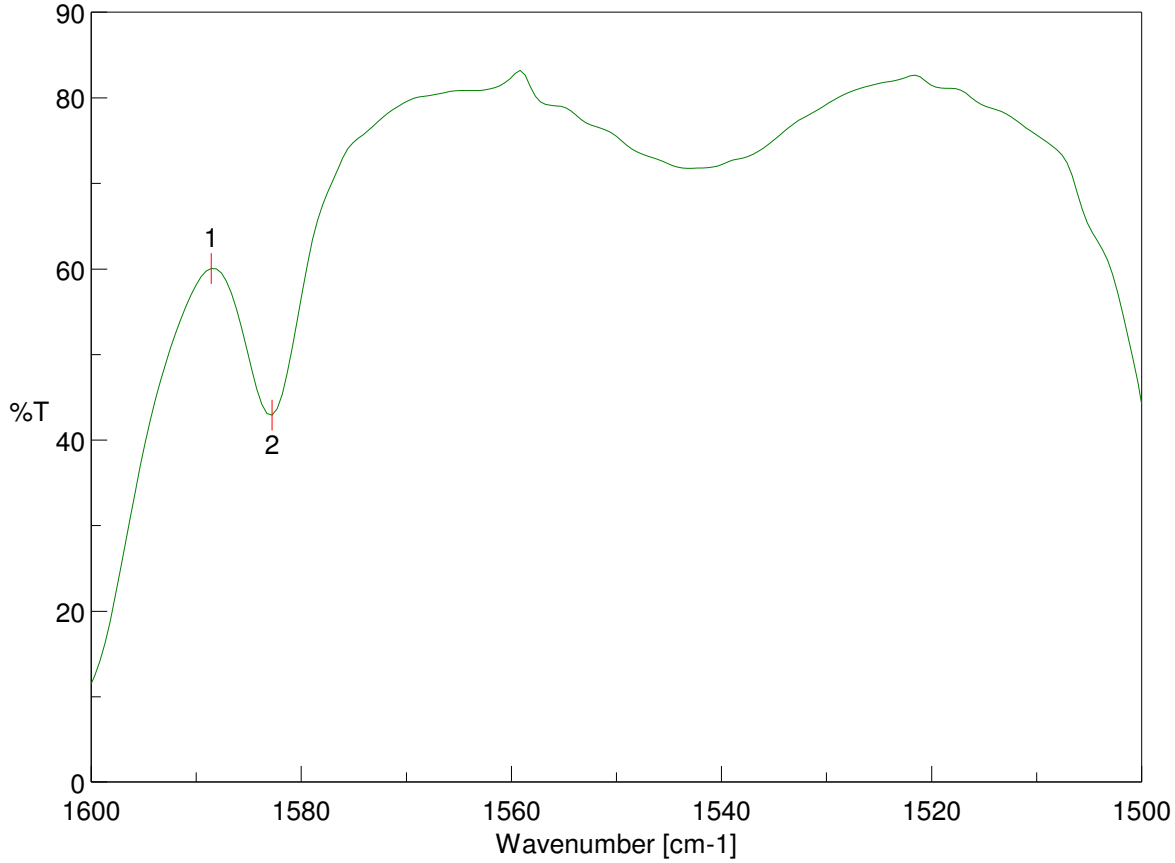
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 14:34
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	2 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (2)
Aperture	Auto (5 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2870.04	42.3359	2	2849.31	15.8073

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 03 - Resolução - TMT



[Comments]

Sample name	
Comment	
User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 14:35
Date modified	12/08/2026 14:39
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	799.832 cm-1
End	3000.21 cm-1
Data interval	0.482117 cm-1
Data points	4565

[Measurement Information]

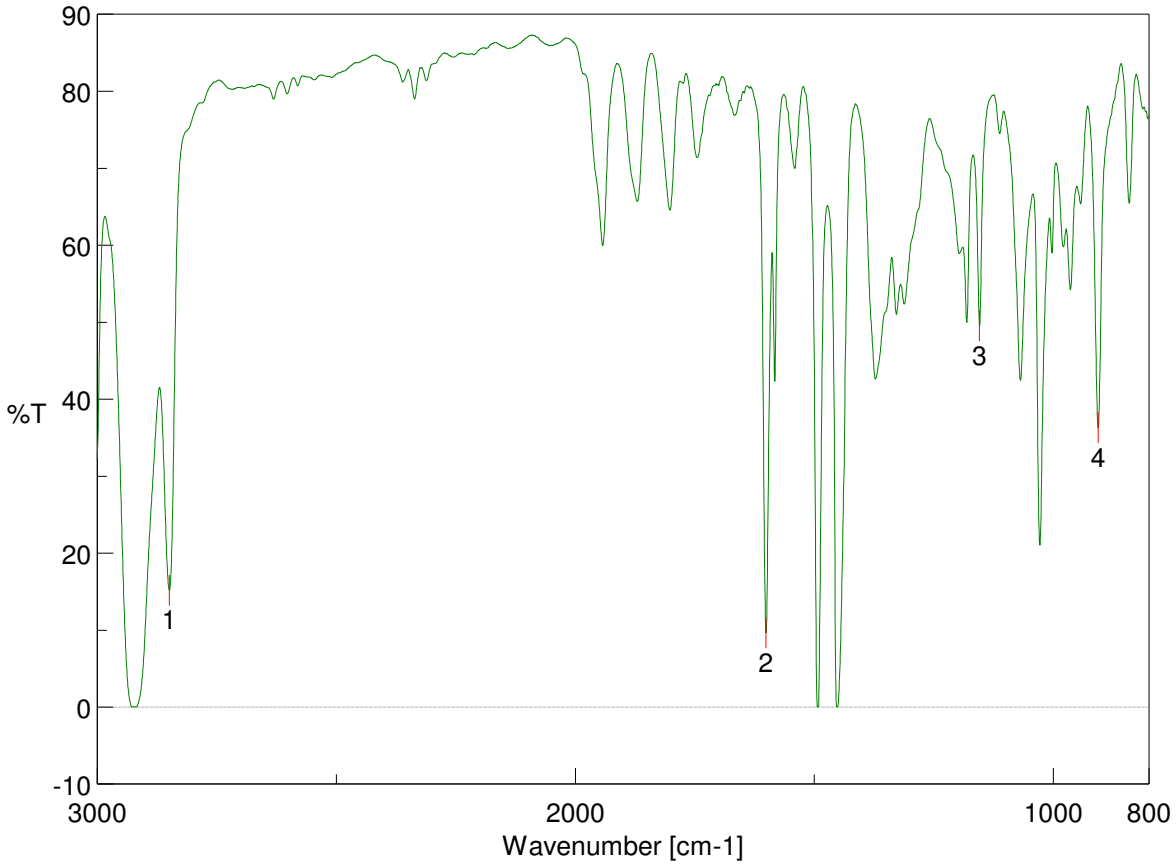
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 14:34
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	2 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (2)
Aperture	Auto (5 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	1588.57	60.035	2	1582.79	42.8791

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 04a - Repetibilidade do número de onda - TMT 1-2



[Comments]
Sample name
Comment

User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 14:45
Date modified	12/08/2026 14:45
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	799.832 cm-1
End	3000.21 cm-1
Data interval	0.482117 cm-1
Data points	4565

[Measurement Information]

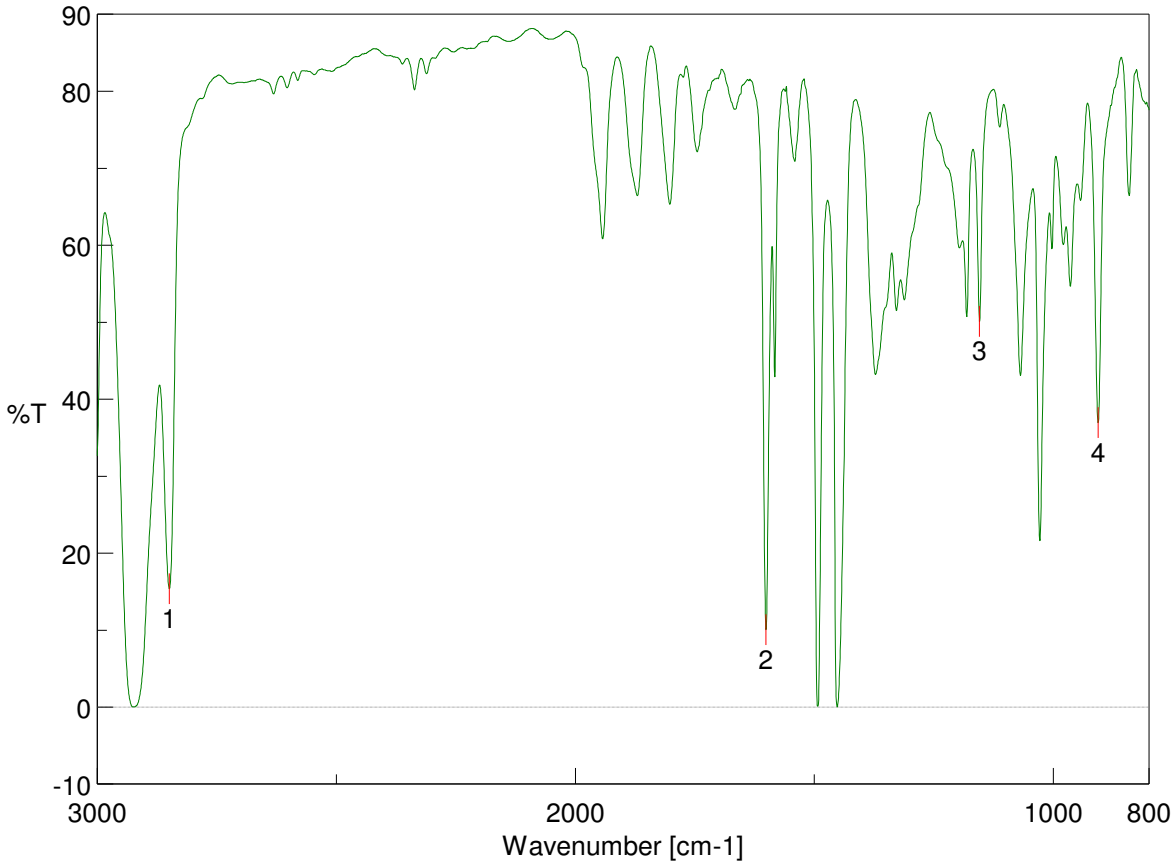
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 14:44
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	2 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (2)
Aperture	Auto (5 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2849.31	15.1697	2	1601.11	9.61981
3	1154.67	49.5009	4	906.379	36.2826

Creation QPack Soluções Analíticas Ltda
Review
Approval

Peak Find - 04b - Repetibilidade do número de onda - TMT 2-2



[Comments]
Sample name
Comment

User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 14:47
Date modified	12/08/2026 14:48
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	799.832 cm-1
End	3000.21 cm-1
Data interval	0.482117 cm-1
Data points	4565

[Measurement Information]

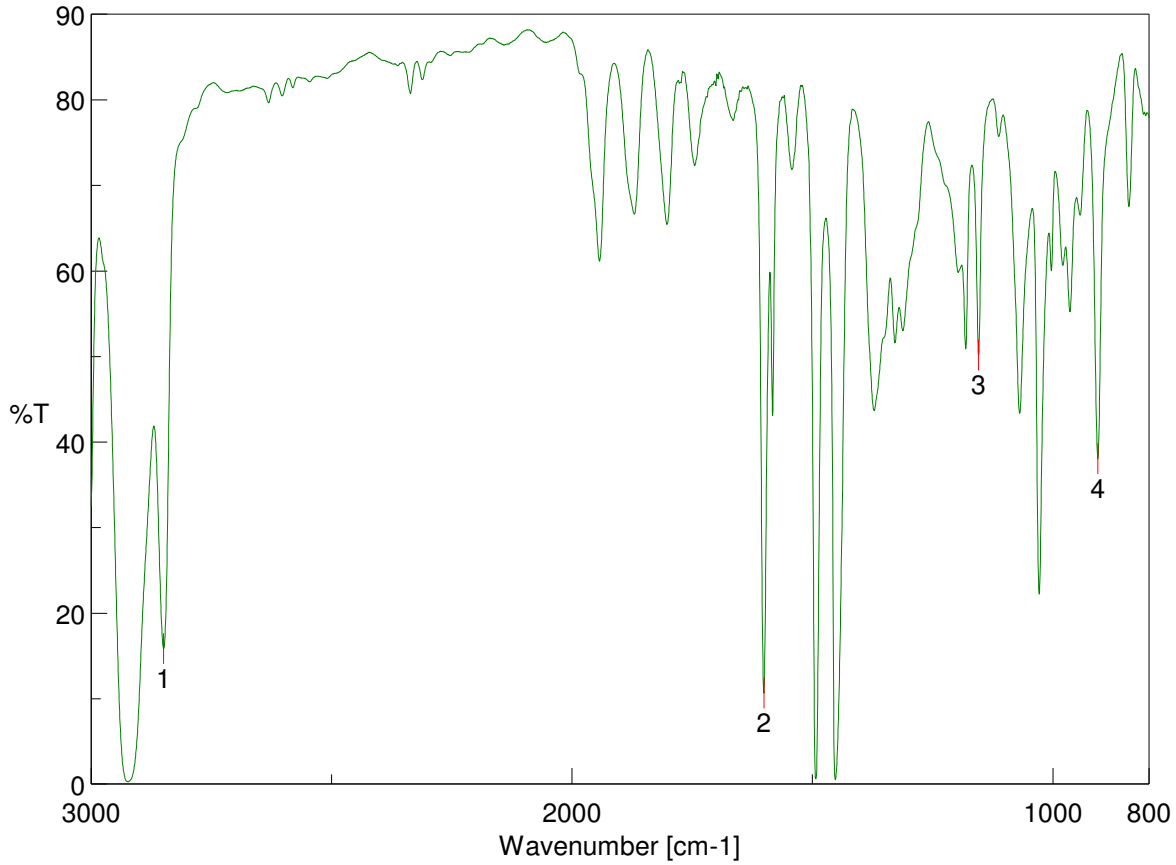
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 14:47
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	2 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (2)
Aperture	Auto (5 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2849.31	15.3655	2	1601.11	10.0613
3	1154.67	50.0978	4	906.379	36.9235

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 05a - Repetibilidade fotométrica - TMT- 1-2



[Comments]
Sample name
Comment
User QPackSA
Workgroup Workgroup Jasco
Division Suporte Técnico
Company União Química

[Detailed Information]
Creation date 12/08/2026 15:20

Data array type Linear data array
Horizontal axis Wavenumber [cm-1]
Vertical axis %T
Start 799.832 cm-1
End 3000.21 cm-1
Data interval 0.482117 cm-1
Data points 4565

[Measurement Information]
Model Name FT/IR-4100typeA
Serial Number B107261016

Measurement Date 12/08/2026 15:09

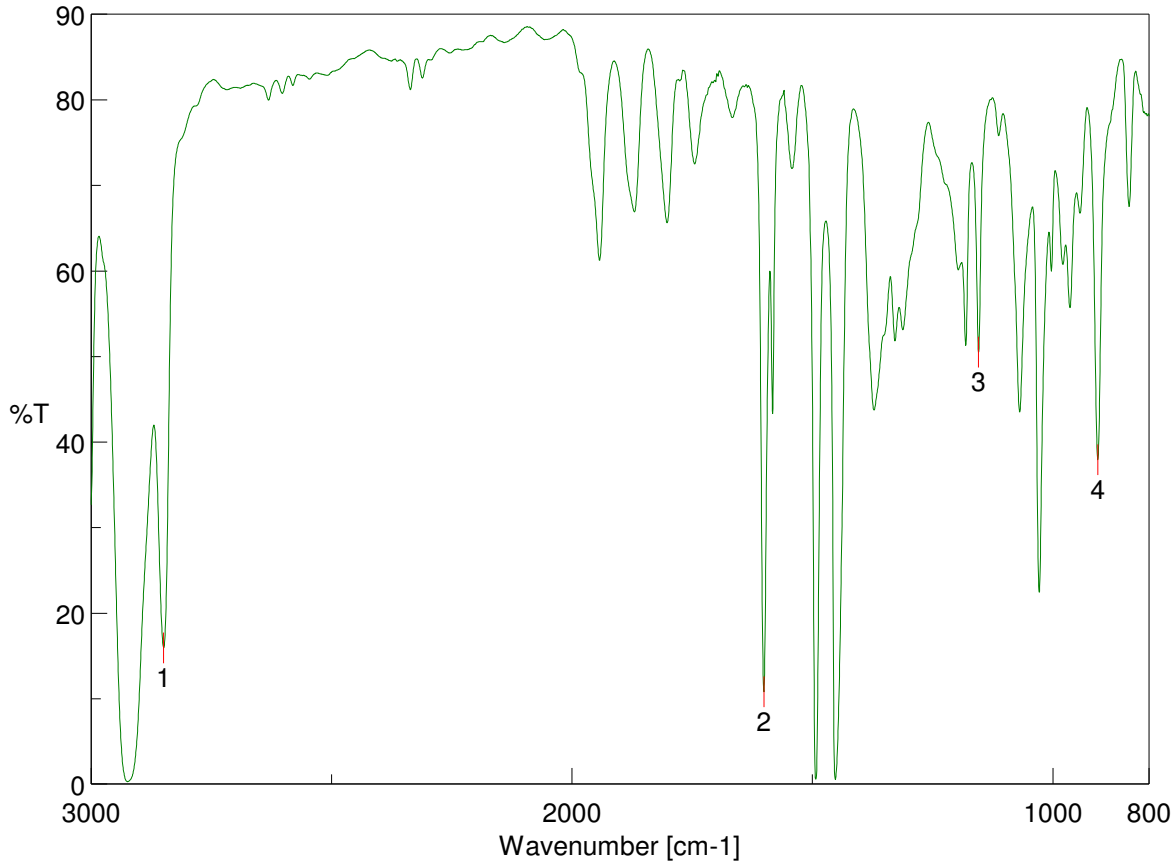
Light Source Standard
Detector TGS
Accumulation 16
Resolution 2 cm-1
Zero Filling On
Apodization Cosine
Gain Auto (2)
Aperture Auto (5 mm)
Scanning Speed Auto (2 mm/sec)
Filter Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2849.31	15.8377	2	1601.11	10.6169
3	1154.67	50.1381	4	906.379	38.0382

Creation QPack Soluções Analíticas Ltda
Review
Approval

Peak Find - 05b - Repetibilidade fotométrica - TMT- 2-2



[Comments]
Sample name
Comment

User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 15:21
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	799.832 cm-1
End	3000.21 cm-1
Data interval	0.482117 cm-1
Data points	4565

[Measurement Information]

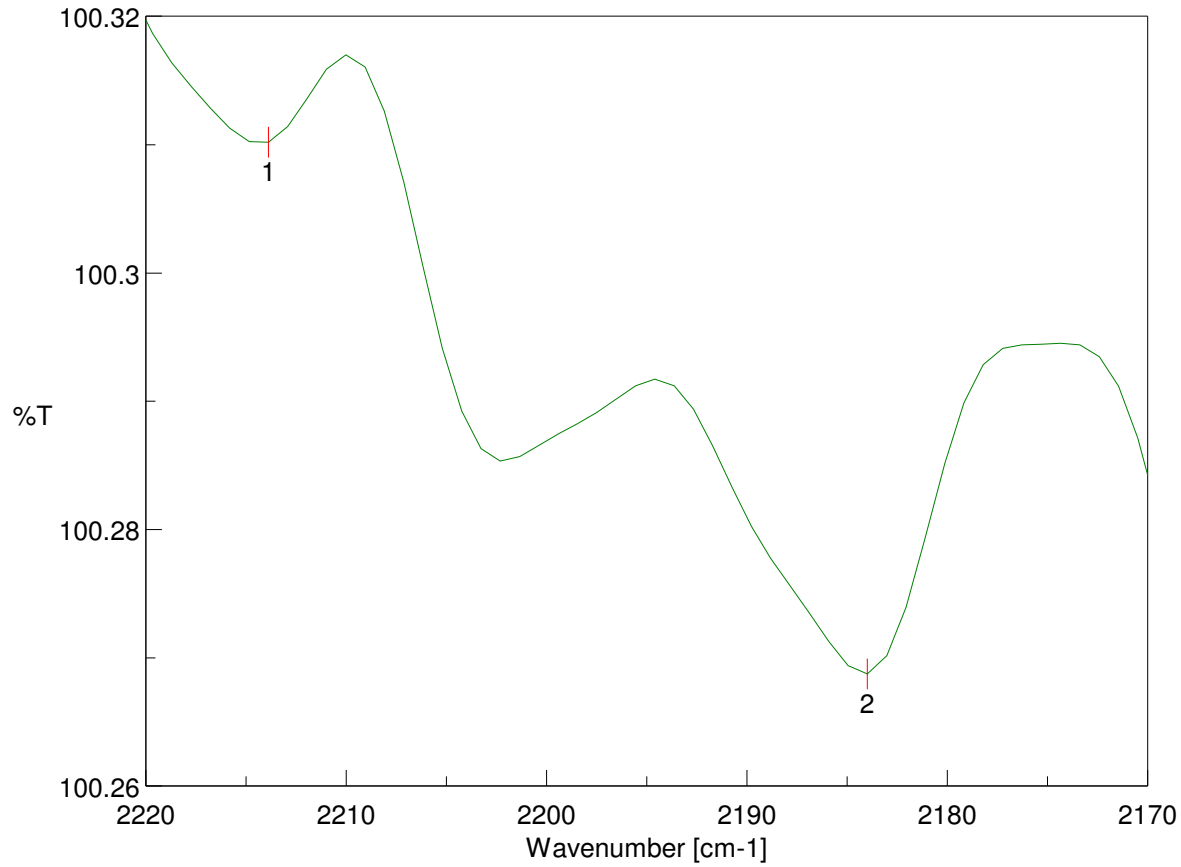
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 15:15
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	2 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (2)
Aperture	Auto (5 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2849.31	15.9185	2	1601.11	10.7706
3	1154.67	50.4838	4	906.379	37.892

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 06 - Sensibilidade - TMT



[Comments]
Sample name
Comment

User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 15:26
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	799.35 cm-1
End	3000.69 cm-1
Data interval	0.964233 cm-1
Data points	2284

[Measurement Information]

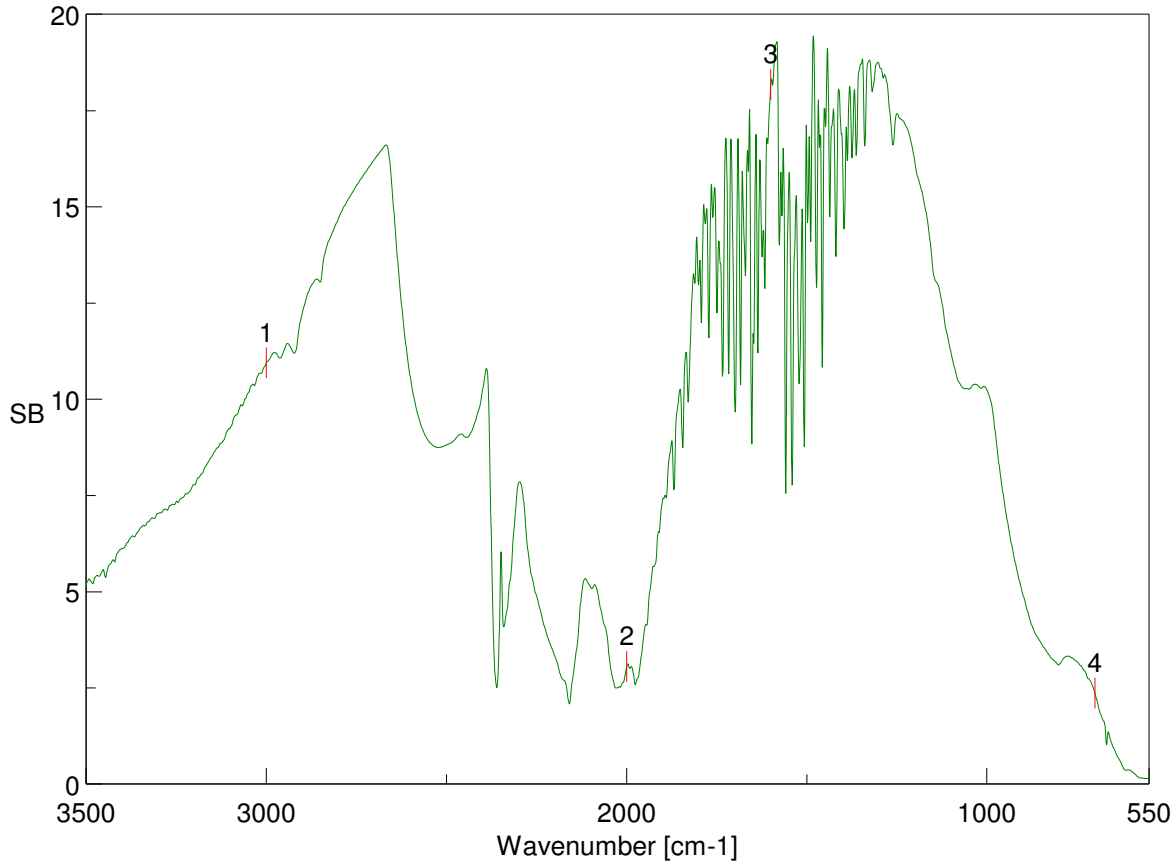
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 15:24
Light Source	Standard
Detector	TGS
Accumulation	48
Resolution	4 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (1)
Aperture	Auto (7.1 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2213.88	100.31	2	2183.99	100.269

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 07 - Nível de energia - ATR



[Comments]

Sample name	
Comment	
User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 15:38
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	SB
Start	549.613 cm-1
End	3500.17 cm-1
Data interval	0.964233 cm-1
Data points	3061

[Measurement Information]

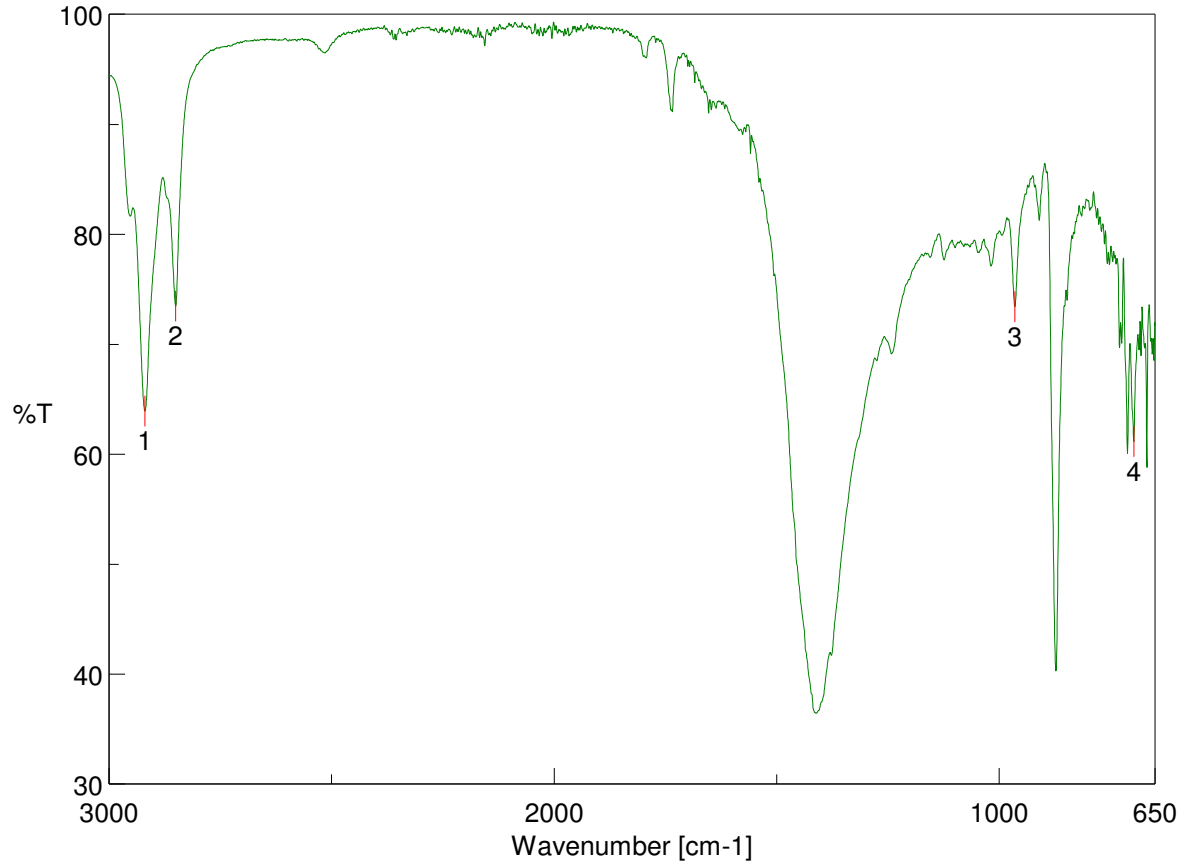
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 15:35
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	4 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (4)
Aperture	Auto (7.1 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2999.73	10.9443	2	1999.82	3.05002
3	1599.66	18.1729	4	700.034	2.35893

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 08 - Exatidão do número de onda - ATR



[Comments]
Sample name
Comment

User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 15:49
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	649.893 cm-1
End	3000.21 cm-1
Data interval	0.482117 cm-1
Data points	4876

[Measurement Information]

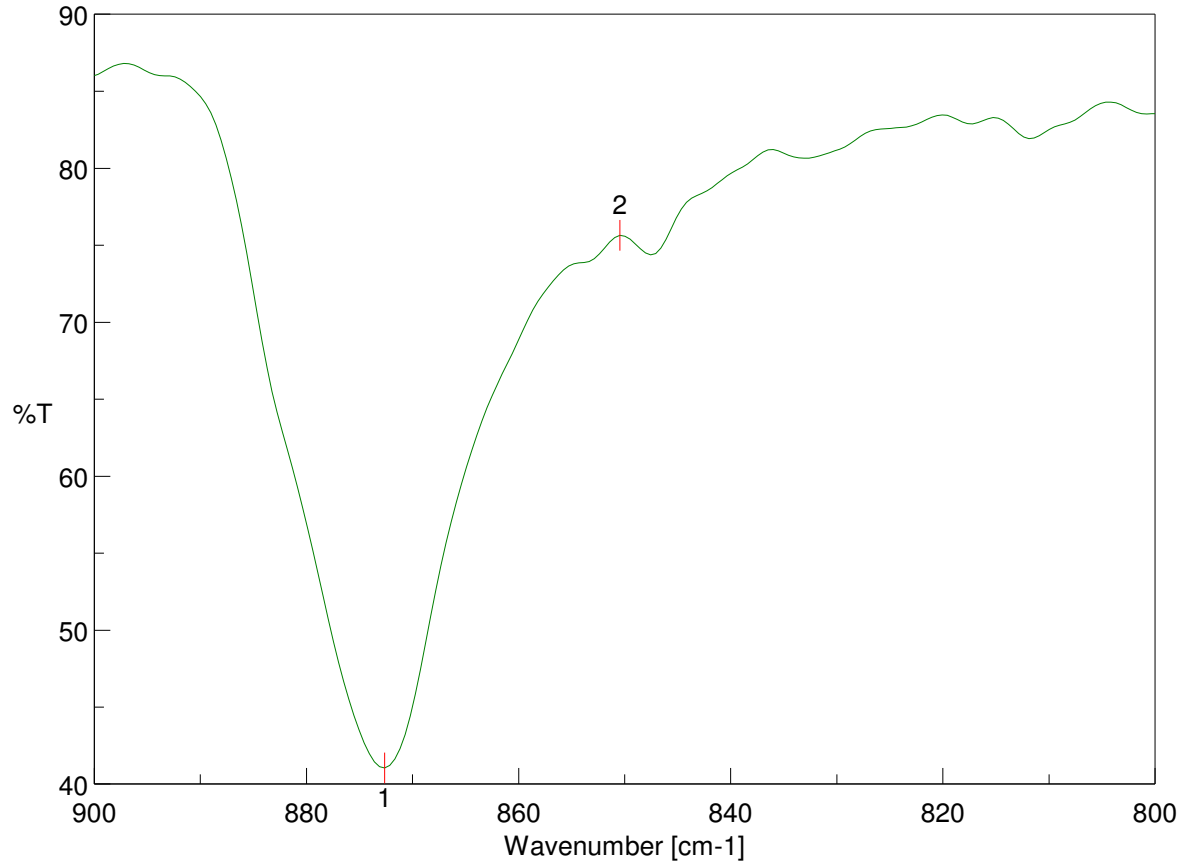
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 15:47
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	2 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (8)
Aperture	Auto (5 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2919.22	63.9002	2	2850.27	73.4538
3	964.716	73.3882	4	697.623	61.1395

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 09 - Resolução - ATR



[Comments]
Sample name
Comment

User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 15:51
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	649.893 cm-1
End	3000.21 cm-1
Data interval	0.482117 cm-1
Data points	4876

[Measurement Information]

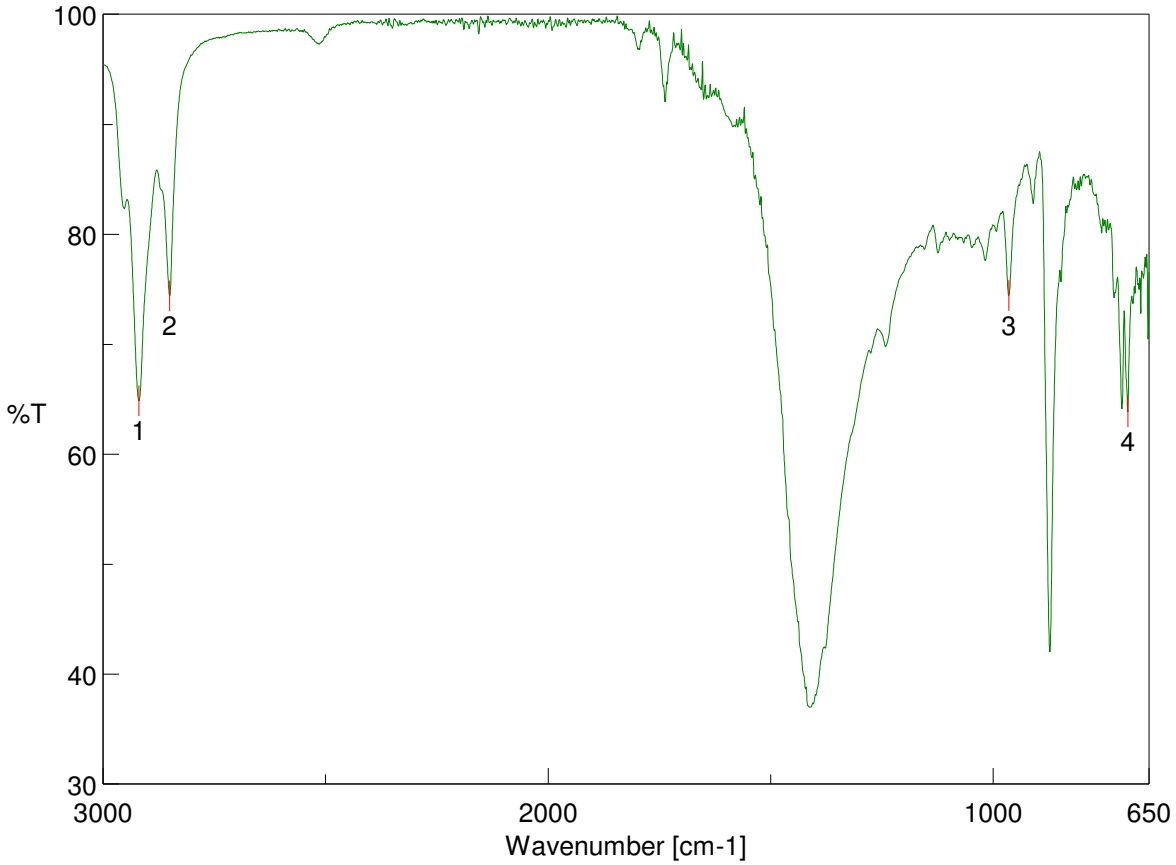
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 15:49
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	2 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (8)
Aperture	Auto (5 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	872.631	41.0465	2	850.454	75.6243

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 10a - Repetibilidade do número de onda - ATR 1-2



[Comments]
Sample name
Comment

User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 15:58
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	649.893 cm-1
End	3000.21 cm-1
Data interval	0.482117 cm-1
Data points	4876

[Measurement Information]

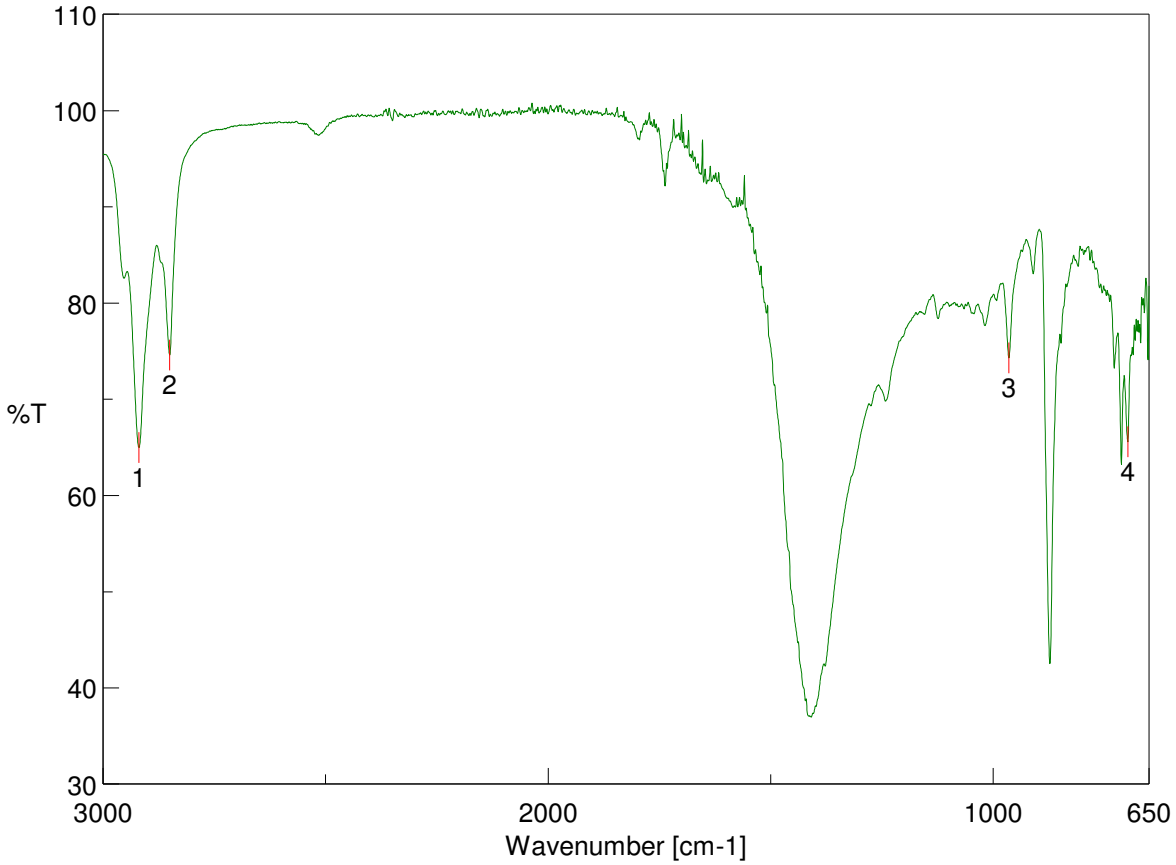
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 15:52
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	2 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (8)
Aperture	Auto (5 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2919.22	64.8533	2	2850.27	74.3883
3	965.198	74.4129	4	697.623	63.8385

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 10b - Repetibilidade do número de onda - ATR 2-2



[Comments]

Sample name	
Comment	
User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 15:59
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	649.893 cm-1
End	3000.21 cm-1
Data interval	0.482117 cm-1
Data points	4876

[Measurement Information]

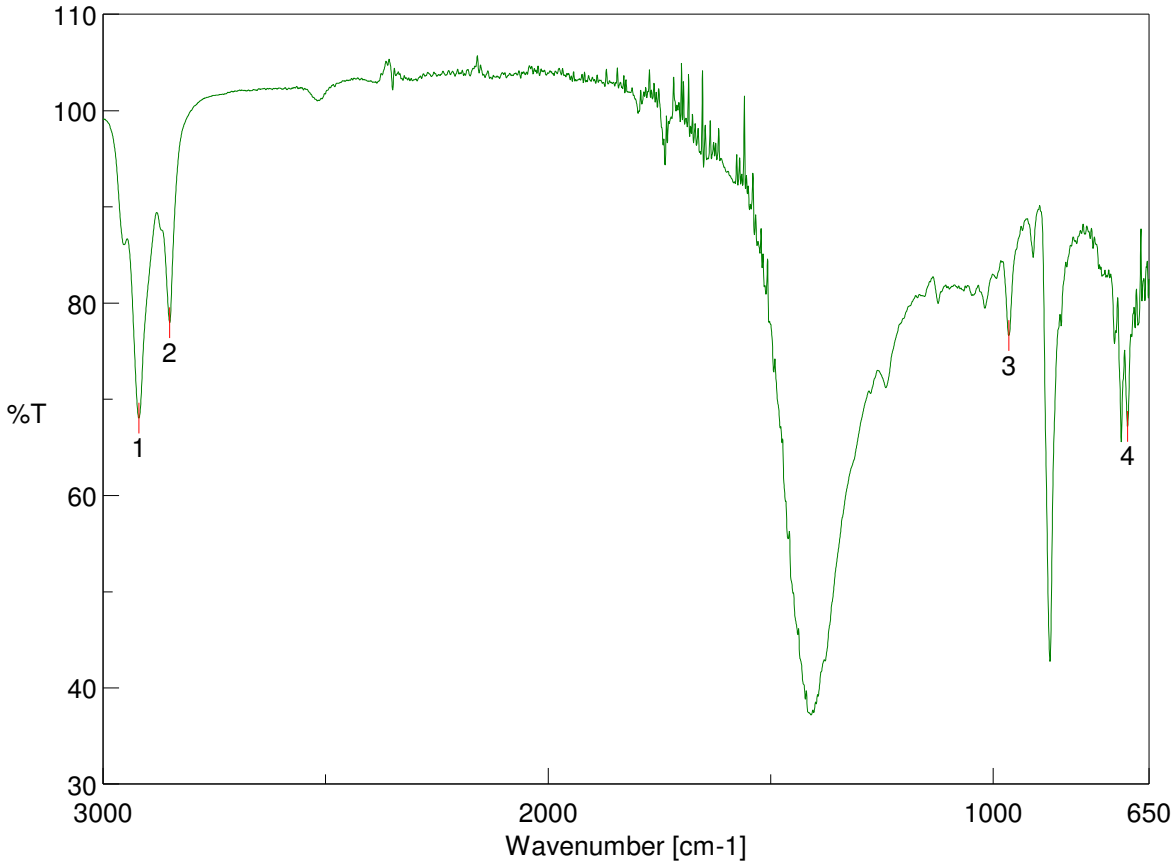
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 15:54
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	2 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (8)
Aperture	Auto (5 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2919.22	64.9497	2	2850.27	74.564
3	964.716	74.2606	4	697.623	65.565

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 11a - Repetibilidade fotométrica - ATR - 1-2



[Comments]
Sample name
Comment

User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 16:13
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	649.893 cm-1
End	3000.21 cm-1
Data interval	0.482117 cm-1
Data points	4876

[Measurement Information]

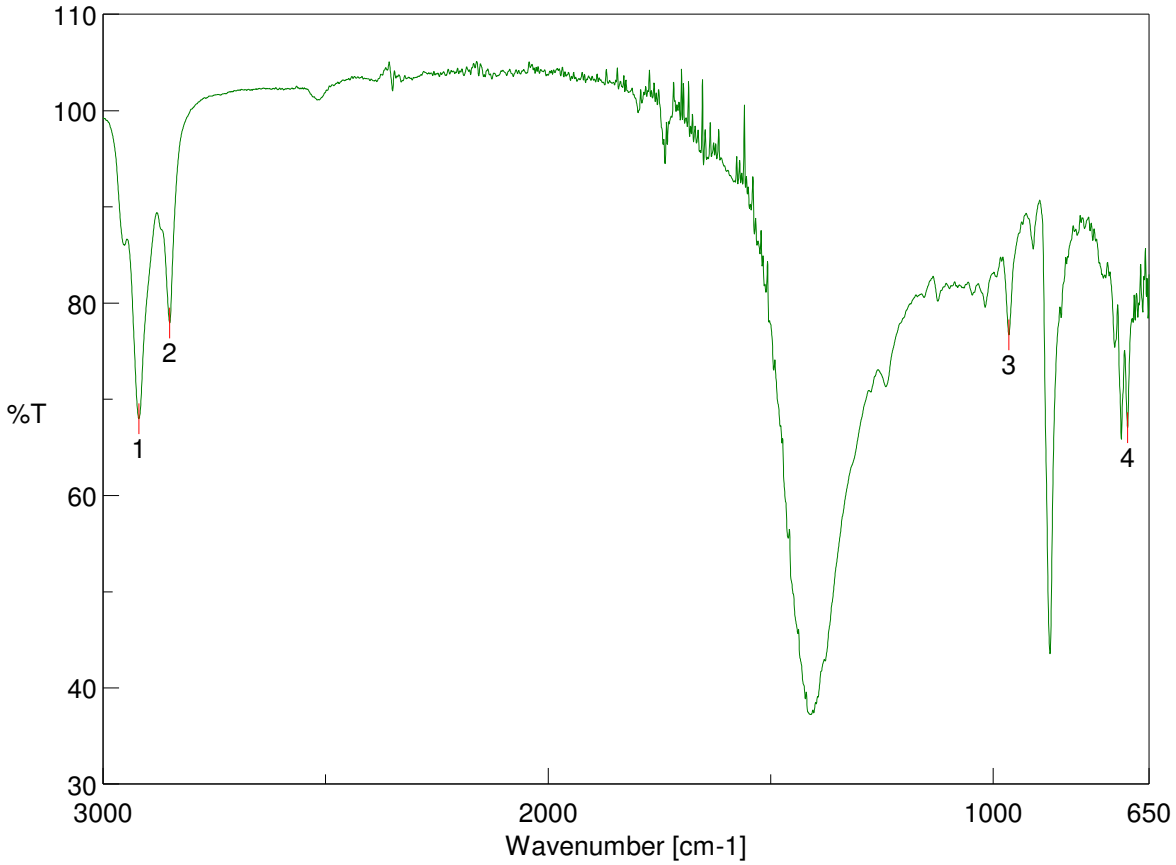
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 16:10
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	2 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (8)
Aperture	Auto (5 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2919.7	68.0198	2	2850.27	77.9489
3	965.198	76.6191	4	698.105	67.1522

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 11b - Repetibilidade fotométrica - ATR - 2-2



[Comments]

Sample name	
Comment	
User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 16:14
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	649.893 cm-1
End	3000.21 cm-1
Data interval	0.482117 cm-1
Data points	4876

[Measurement Information]

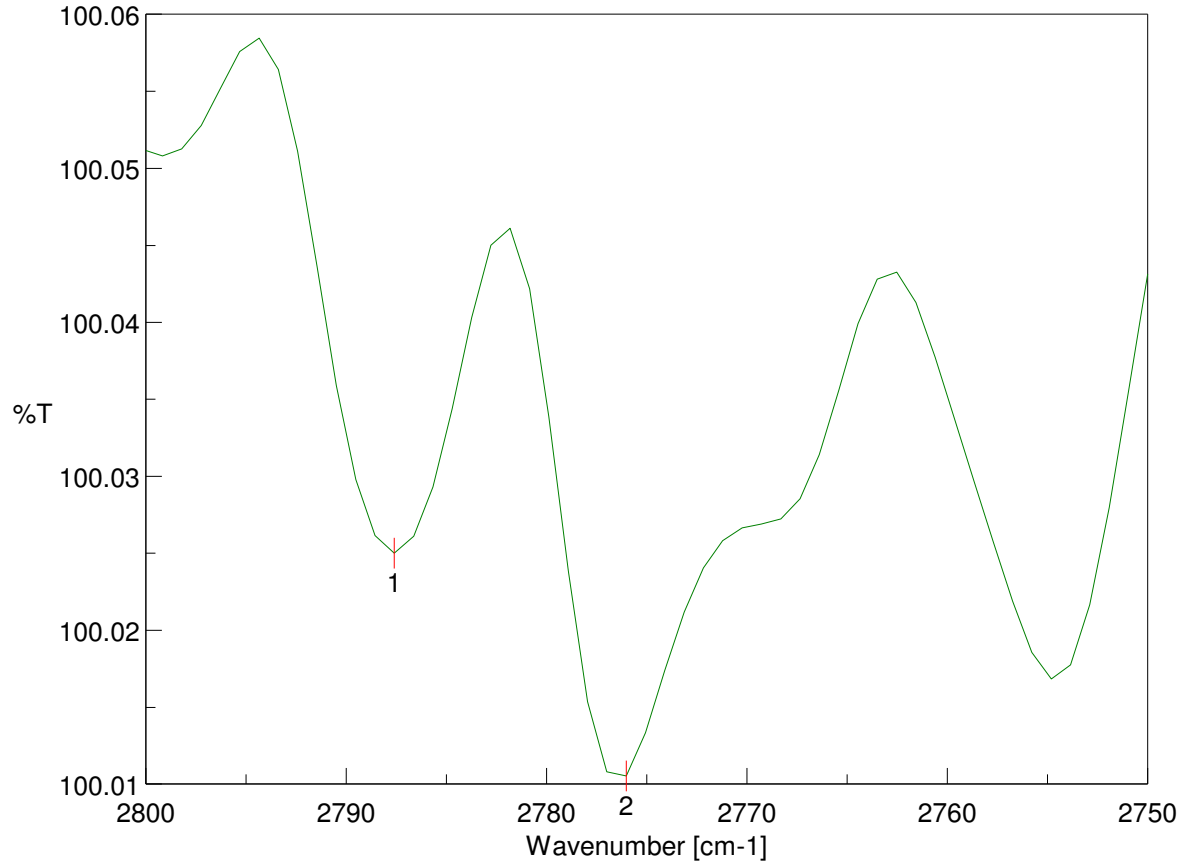
Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 16:11
Light Source	Standard
Detector	TGS
Accumulation	16
Resolution	2 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (8)
Aperture	Auto (5 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2919.7	67.9698	2	2850.27	77.9134
3	964.716	76.658	4	698.105	67.032

Creation	QPack Soluções Analíticas Ltda
Review	
Approval	

Peak Find - 12 - Sensibilidade - ATR



[Comments]
Sample name
Comment

User	QPackSA
Workgroup	Workgroup Jasco
Division	Suporte Técnico
Company	União Química

[Detailed Information]

Creation date	12/08/2026 16:22
Data array type	Linear data array
Horizontal axis	Wavenumber [cm-1]
Vertical axis	%T
Start	799.35 cm-1
End	3000.69 cm-1
Data interval	0.964233 cm-1
Data points	2284

[Measurement Information]

Model Name	FT/IR-4100typeA
Serial Number	B107261016
Measurement Date	12/08/2026 16:19
Light Source	Standard
Detector	TGS
Accumulation	48
Resolution	4 cm-1
Zero Filling	On
Apodization	Cosine
Gain	Auto (4)
Aperture	Auto (7.1 mm)
Scanning Speed	Auto (2 mm/sec)
Filter	Auto (30000 Hz)

[Result of Peak Picking]

No.	Position	Intensity	No.	Position	Intensity
1	2787.6	100.025	2	2776.03	100.011

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