

LAMPIRAN A

Alat dan Bahan



Zink Acecat Dihidrat



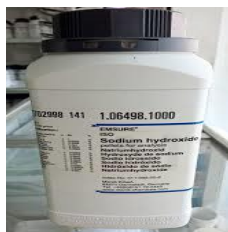
Polivinil Alcohol (PVA)



Etanol 96%



Serbuk Al



NaOH



Aquades



Kaca Preparat



Aluminium Foil



Air Gambut



Cawan



Pipet Tetes



Gelas Ukur



Magnetik Stirer
+ Hotplate



Neraca Analitik



Dip-coating



Tabung Reaktor
+ Lampu Uji
(Lampu Pijar &
Lampu UV)



Turbidity Meter



pH Meter

LAMPIRAN B

Kegiatan Eksperimen



Pembuatan serbuk ZnO



Pembuatan Film Tipis ZnO:Al



Hasil pengujian dengan Lampu UV



Hasil pengujian dengan Lampu Pijar

Keterangan : tanpa sampel, 1 kali celupan, 2 kali celupan dan 3 kali celupan (kiri ke kanan)



Pengujian UV-Vis Uji Fotokatalis



Pengujian Kekeruhan dan pH

LAMPIRAN C

Hasil Eksperimen

Tabel hasil degradasi kekeruhan

Perhitungan ke-	Sebelum Ui	UV				Pijar			
		Tanpa sampel	1	2	3	Tanpa sampel	1	2	3
1	79,08	27,78	18,95	23,02	17,57	36,44	23,09	32,38	27,73
2	79,38	24,95	17,14	23,54	19,85	34,34	23,21	33,33	30,16
3	70,98	25,46	19,47	24,76	20,12	36,09	24,28	32,62	34,4
4	70,78	26,03	19,55	24,94	20,69	36,65	25,43	33,24	36,75
5	77,89	26,49	19,49	24,75	20,48	39,44	24,74	31,55	36,65
rata-rata	75,622	26,142	18,92	24,202	19,742	36,592	24,15	32,624	33,138
persentase degradasi		70,01	80,23	72,76	79,07	55,22	72,83	60,84	60,11

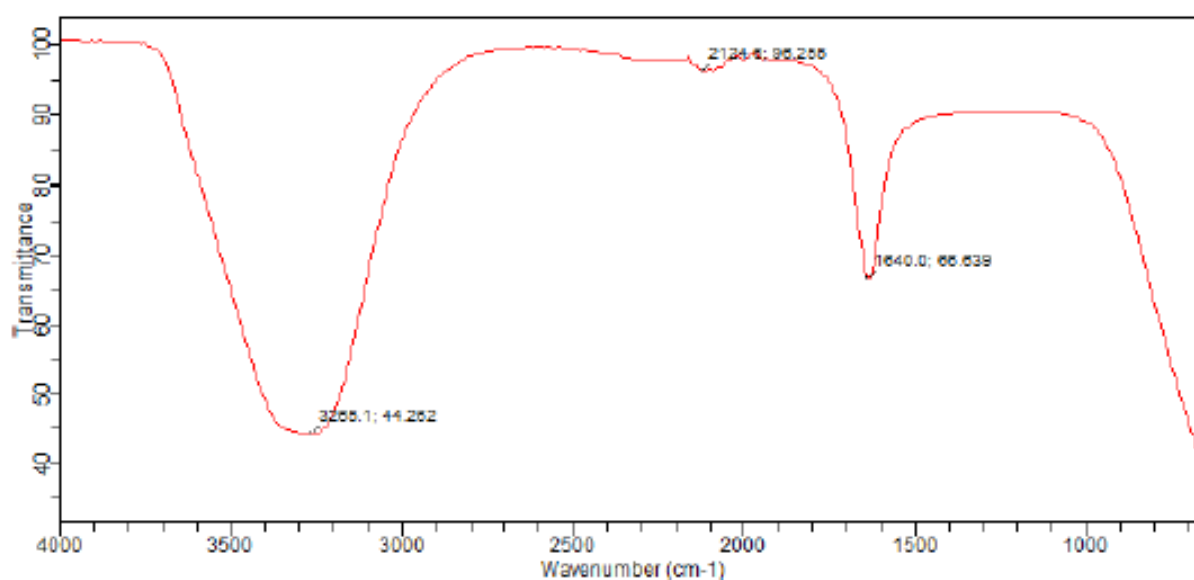
Taabel Hasil degradasi pH

Perhitungan ke-	Sebelum Uji	UV				Pijar			
		Tanpa sampel	1	2	3	Tanpa sampel	1	2	3
1	5,5	6,4	6,6	6,5	6,6	6,6	6,9	6,7	6,7
2	4,9	6	6,5	6,4	6,5	6,6	6,8	6,6	6,7
3	5,1	5,9	6,6	6,4	6,3	6,5	6,7	6,8	6,6
4	5,1	6	6,7	6,4	6,2	6,6	6,9	6,6	6,5
5	5,5	6,1	6,8	6,2	6,2	6,5	6,7	6,4	6,5
rata-rata	5,22	6,08	6,64	6,38	6,36	6,56	6,8	6,62	6,6
persentase degradasi		30,93	51,08	41,01	41,01	48,2	56,83	50,36	49,64

Hasil Karakterisasi FTIR sampel 1 kali celupan dengan uji lampu pijar



Sample ID:T1	Method Name:unila data collect only
Sample Scans:32	User:admin
Background Scans:22	Date/Time:01/05/2021 2:34:01 PM
Resolution:16	Range:4000 - 650
System Status:Good	Apodization:Happ-Genzel
File Location:C:\Users\Public\Documents\Agilent\MicroLab\Results\unila\T1_2021-01-05T14-34-01.a2r	



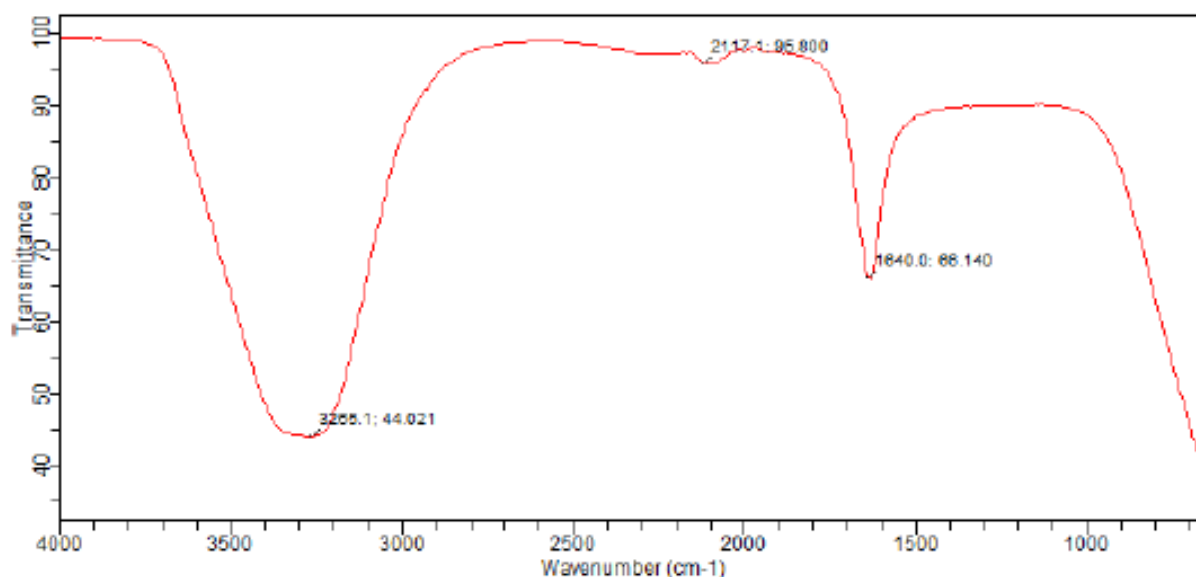
Hasil Karakterisasi FTIR sampel 2 kali celupan dengan uji lampu pijar



Sample ID:T2
Sample Scans:32
Background Scans:32
Resolution:16
System Status:Good

Method Name:unila data colect only
User:admin
Date/Time:01/05/2021 2:48:03 PM
Range:4000 - 650
Apodization:Happ-Genzel

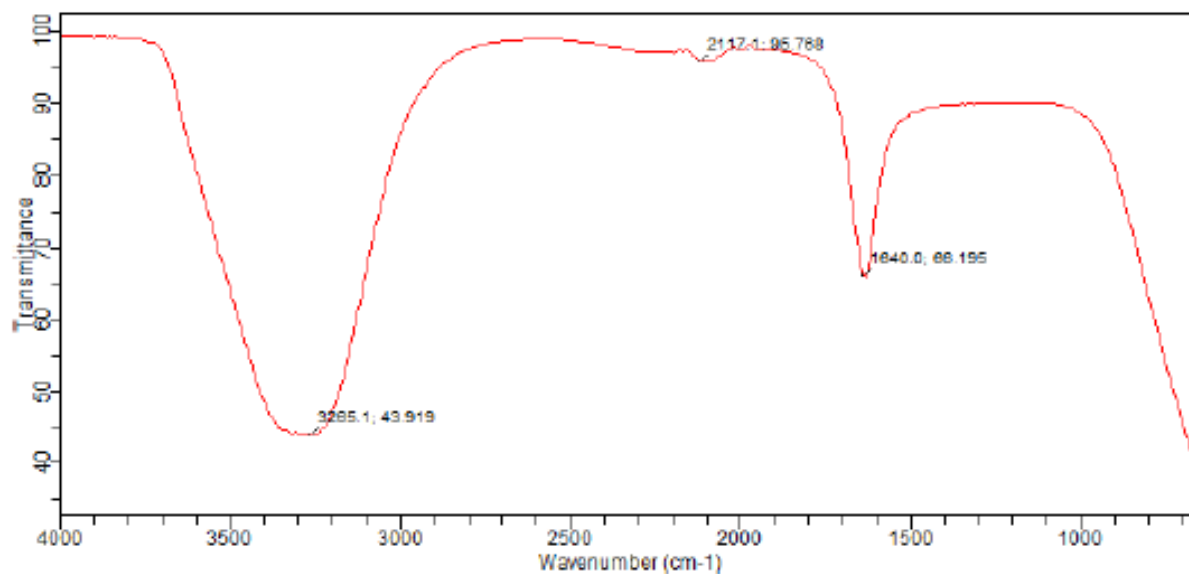
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Hasil Karakterisasi FTIR sampel 3 kali celupan dengan uji lampu pijar



Sample ID:T3	Method Name:unila data collect only
Sample Scans:32	User:admin
Background Scans:32	Date/Time:01/05/2021 2:47:16 PM
Resolution:16	Range:4000 - 650
System Status:Good	Apodization:Happ-Genzel
File Location:C:\Users\Public\Documents\Agilent\MicroLab\Results\unila\T3_2021-01-05T14-47-16.a2r	



Hasil Karakterisasi FTIR sampel 1 kali celupan dengan uji lampu UV



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Sample ID:UV 1

Sample Scans:32

Background Scans:32

Resolution:16

System Status:Good

File Location:C:\Users\Public\Documents\Agilent\MicroLab\Results\unila\UV 1_2021-01-05T14-45-20.a2r

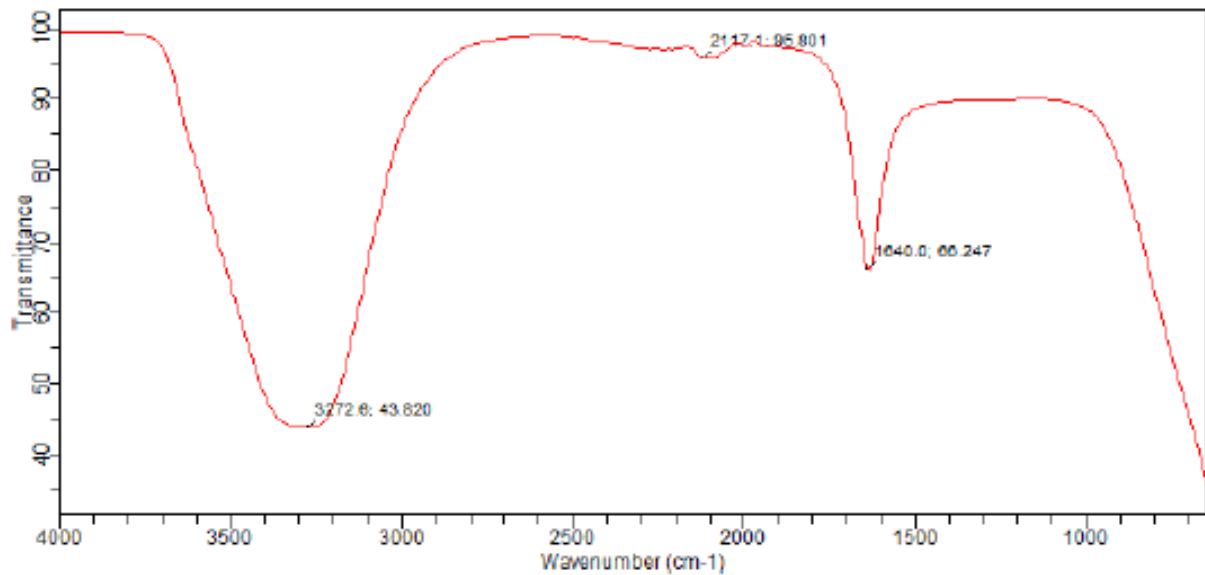
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User:admin

Date/Time:01/05/2021 2:45:20 PM

Range:4000 - 650

Apodization:Happ-Genzel

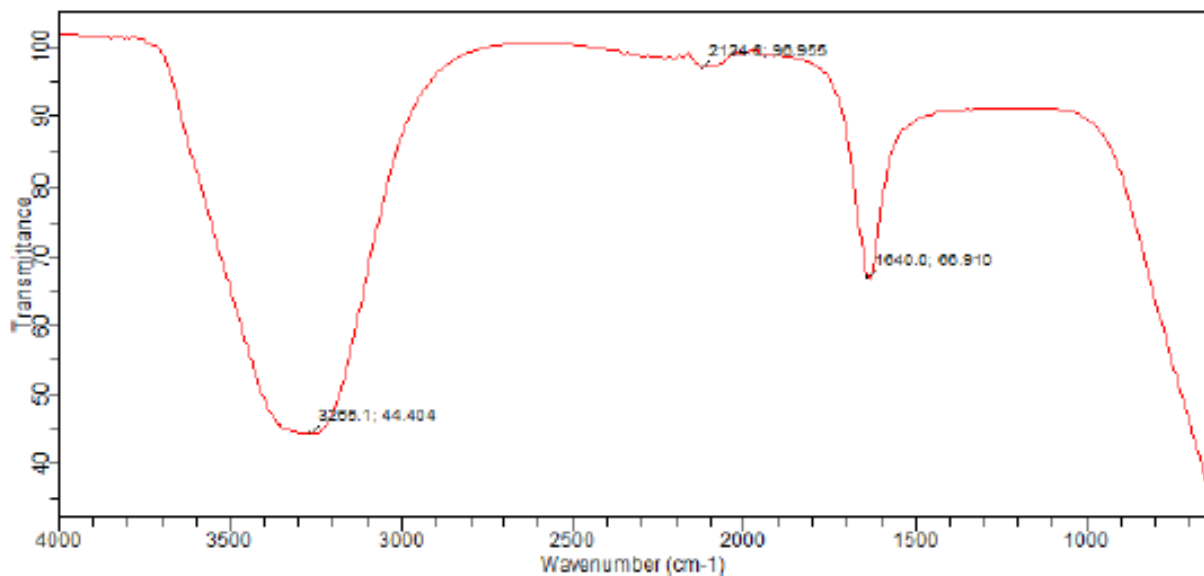


Hasil Karakterisasi FTIR sampel 2 kali celupan dengan uji lampu UV



Sample ID:W2
Sample Scans:32
Background Scans:32
Resolution:16
System Status:Good
File Location:C:\Users\Public\Documents\Agilent\MicroLab\Results\unila\W2_2021-01-05T14-35-37.a2r

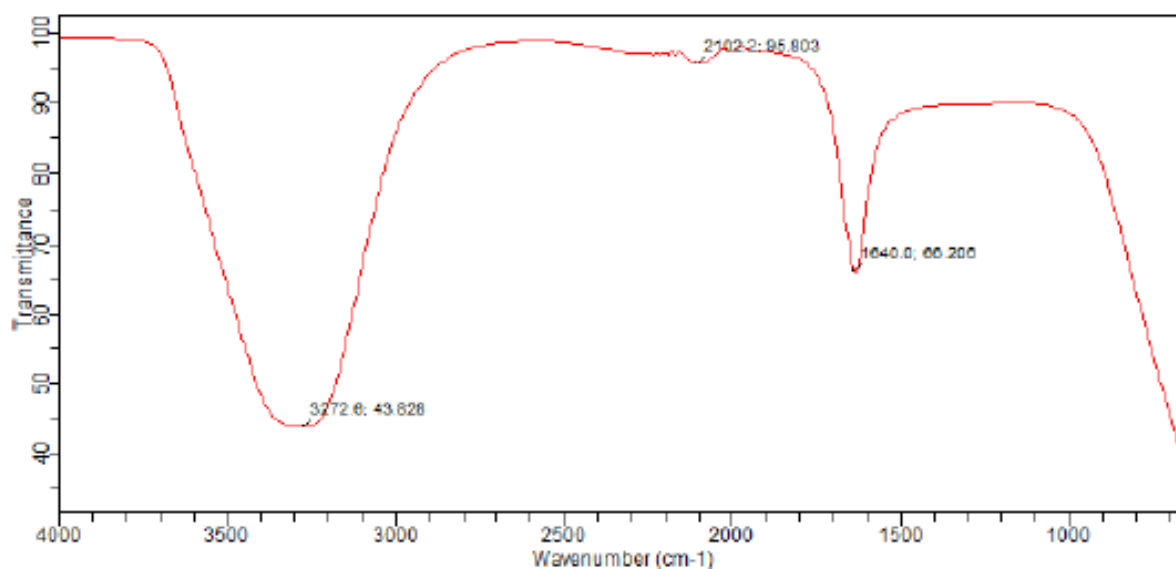
Method Name:unila data collect only
User:admin
Date/Time:01/05/2021 2:35:37 PM
Range:4000 - 650
Apodization:Happ-Genzel



Hasil Karakterisasi FTIR sampel 3 kali celupan dengan uji lampu UV

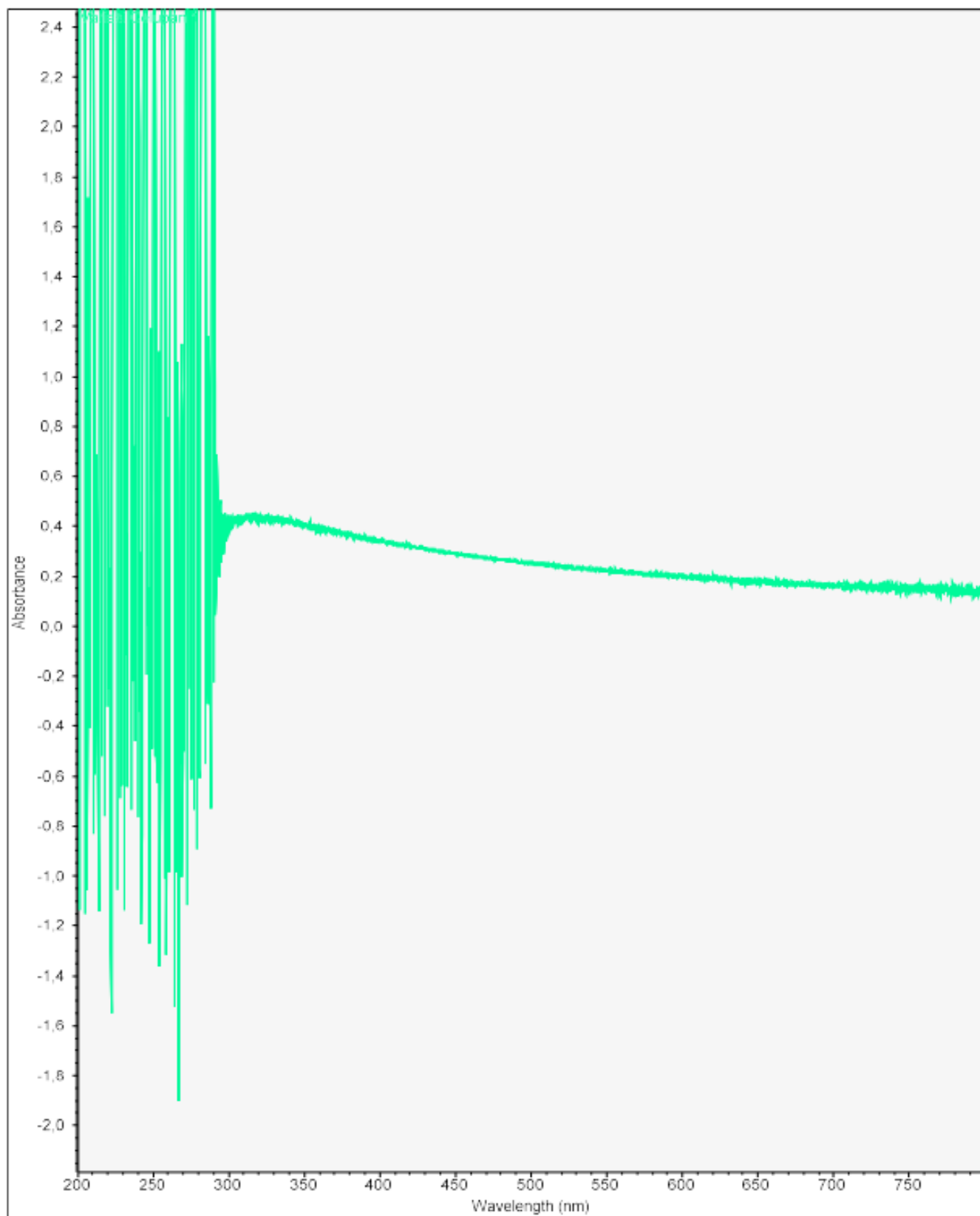


Sample ID:UV 3	Method Name:unila data colect only
Sample Scans:32	User:admin
Background Scans:32	Date/Time:01/05/2021 2:46:13 PM
Resolution:16	Range:4000 - 650
System Status:Good	Apodization:Happ-Genzel
File Location:C:\Users\Public\Documents\Agilent\MicroLab\Results\unila\UV 3_2021-01-05T14-46-13.a2r	



11/11/2020

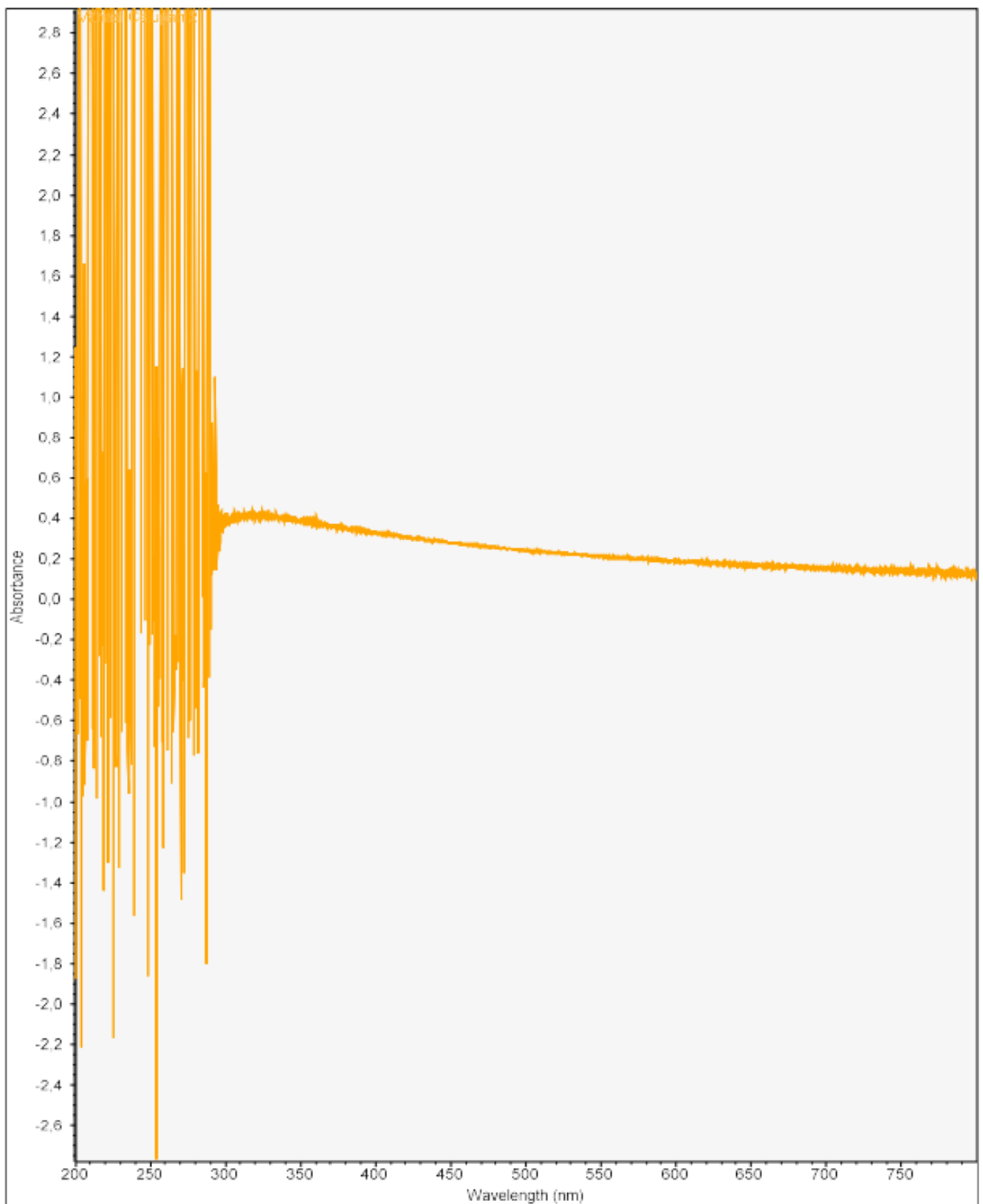
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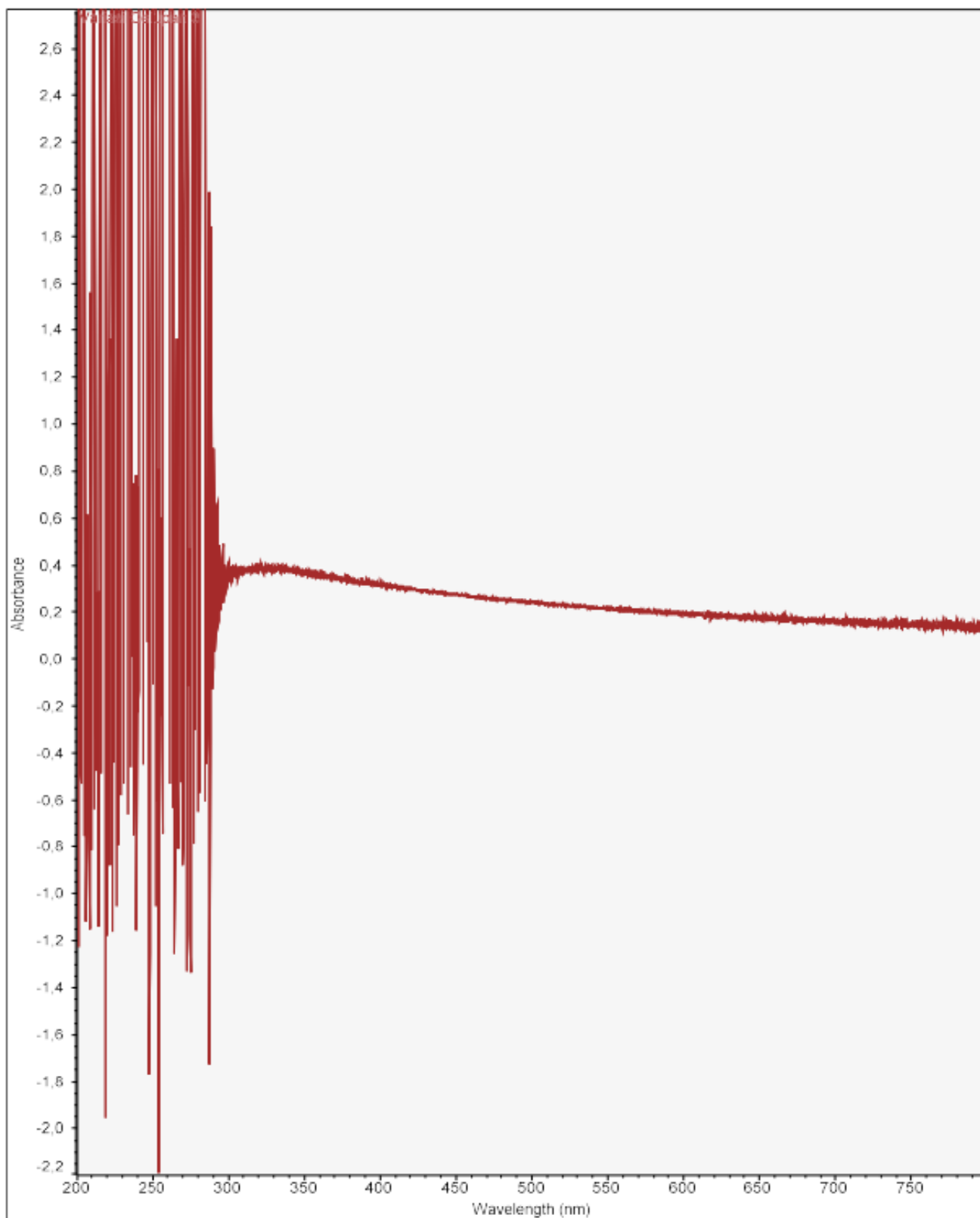
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