Analytical Services Laboratory

Institute of Chemistry Research Building
National Science Complex
University of the Philippines
Diliman, Quezon City 1101, Philippines.

(+632) 920-5432 (telefax)
(+632) 981-8500 loc 3667
email: asl.chem@upd.edu.ph

(ASL 23-022)

Entry No: 23-022
Date of sample report: 19 May 2023
Date of sample receipt: 15 May 2023
Customer: Gabriel Francis V. Almario
Customer address: 19 Katubusan St., San Juan City, National Capital Region

Sample ID	ASL Sample code	Description/matrix
F	23-022A	Liquid solution
S	23-022B	Liquid solution
C	23-022C	Liquid solution
G	23-022D	Liquid solution

CERTIFICATE OF ANALYSIS

Please find attached Ultraviolet-Visible[a] scans labelled as follows:

Page	Sample ID	UV-Vis Labels	Sample preparation/Data acquisition/Remarks
2	F	23-022A Trial 1	The sample was filtered, placed on a cuvette and passed through the UV-Vis path of light.
3	F	23-022A Trial 2	Same as above.
4	S	23-022B Trial 1	Same as above.
5	S	23-022B Trial 2	Same as above.
6	C	23-022C Trial 1	Same as above.
7	C	23-022C Trial 2	Same as above.
8	G	23-022D Trial 1	The sample was filtered, diluted (25/2 by volume), and placed on a cuvette and passed through the UV-Vis path of light.
9	G	23-022D Trial 2	Same as above.

---nothing follows---

[a]Shimadzu UV-1700 PharmaSpec UV-Vis Spectrophotometer

Test(s) was/were done only on the sample(s) submitted to this laboratory and this report shall relate to the entire bulk only if the sample(s) is/are representative thereof. This certificate of analysis shall not be reproduced except in full, without the written approval of this laboratory.

Marte C. Villena
Analyst
Chemist, PRC Lic. no. 7673

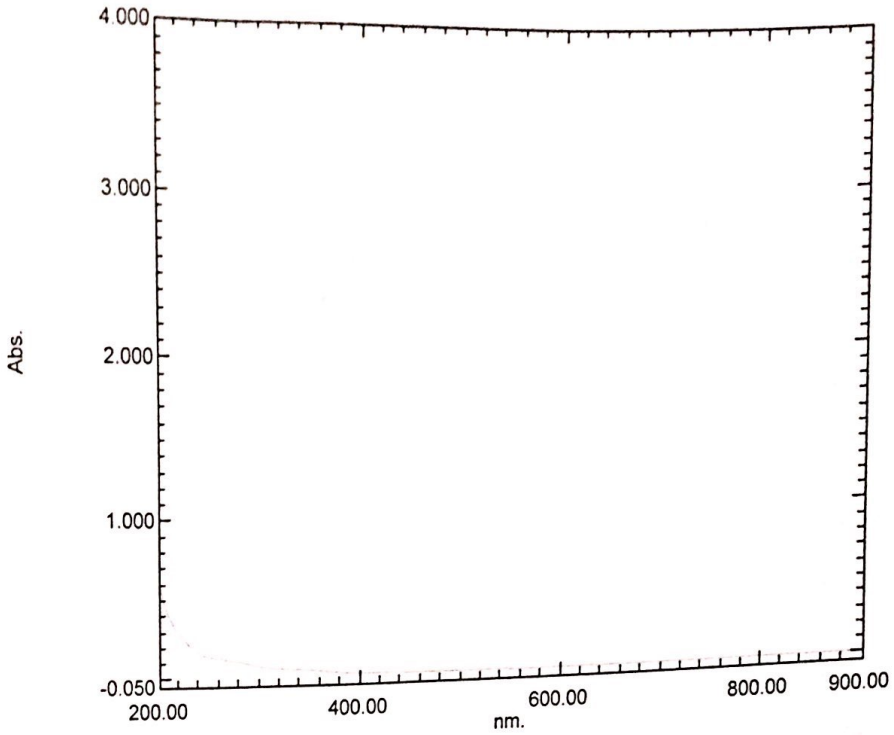
Approved by:

Rheo B. Lamorena-Lim, Ph.D.
Laboratory Manager
Chemist, PRC Lic. no. 8350

Scanned with CamScanner

022)

ample: F / 23-022A Trial 1

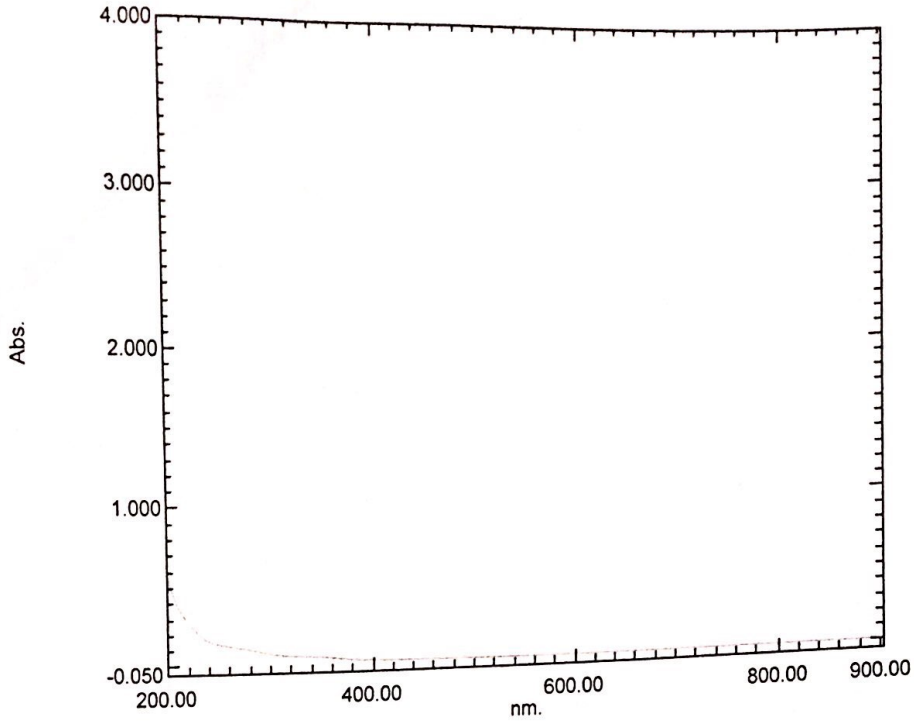


No	Wavelength nm.	Abs.

Measurement Properties	
Wavelength Range (nm.):	200.00 to 900.00
Scan Speed:	Fast
Sampling Interval:	1.0
Auto Sampling Interval:	Disabled
Scan Mode:	Auto

Scanned with CamScanner

Sample: F / 23-022A Trial 2

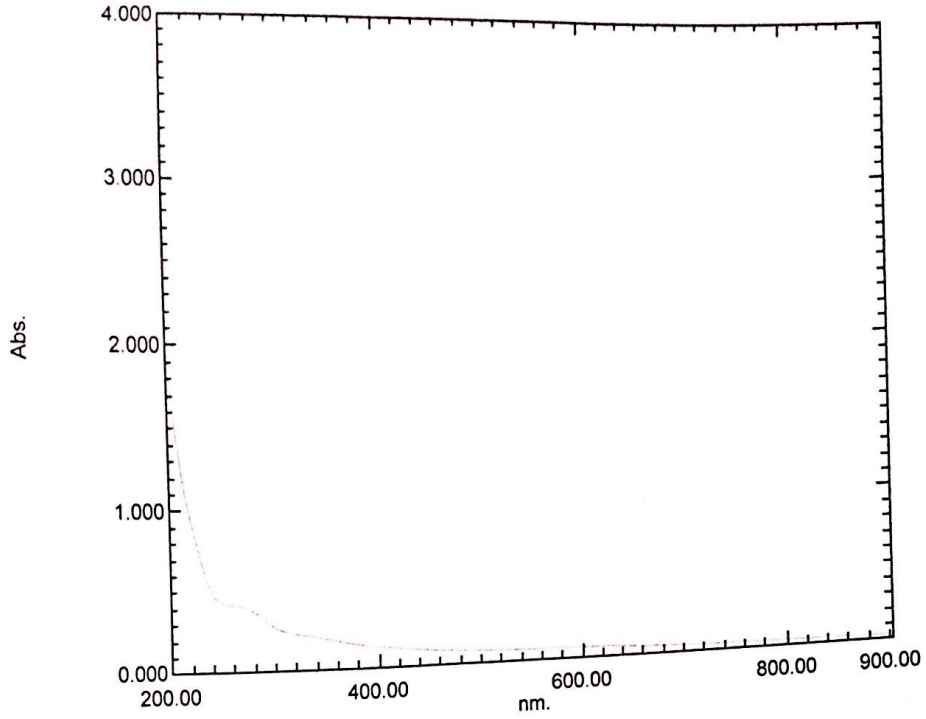


No	Wavelength nm.	Abs.

Measurement Properties	
Wavelength Range (nm.)	200.00 to 900.00
Scan Speed:	Fast
Sampling Interval:	1.0
Auto Sampling Interval:	Disabled
Scan Mode:	Auto

Scanned with CamScanner

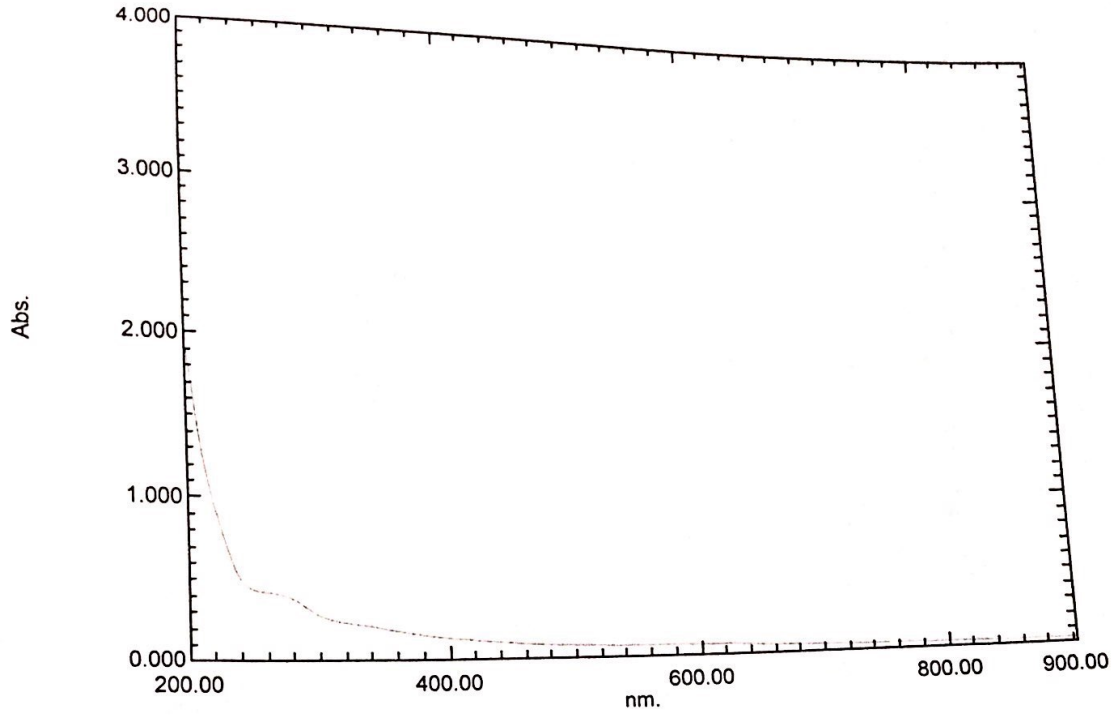
022)
mple S / 23-022B Trial 1



No.	Wavelength nm.	Abs.
1	573.00	0.062

Measurement Properties	
Wavelength Range (nm.):	200.00 to 900.00
Scan Speed:	Fast
Sampling Interval:	1.0
Auto Sampling Interval:	Disabled
Scan Mode:	Auto

Scanned with CamScanner



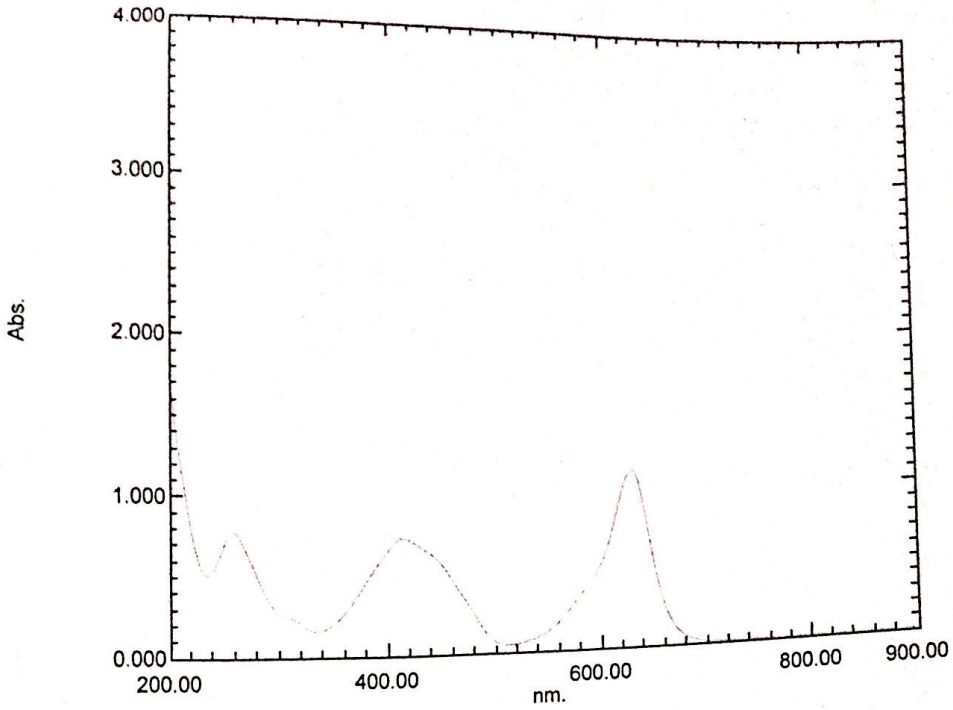
No.	Wavelength nm.	Abs.

Measurement Properties

Wavelength Range (nm.):	200.00 to 900.00
Scan Speed:	Fast
Sampling Interval:	1.0
Auto Sampling Interval:	Disabled
Scan Mode:	Auto

Scanned with CamScanner

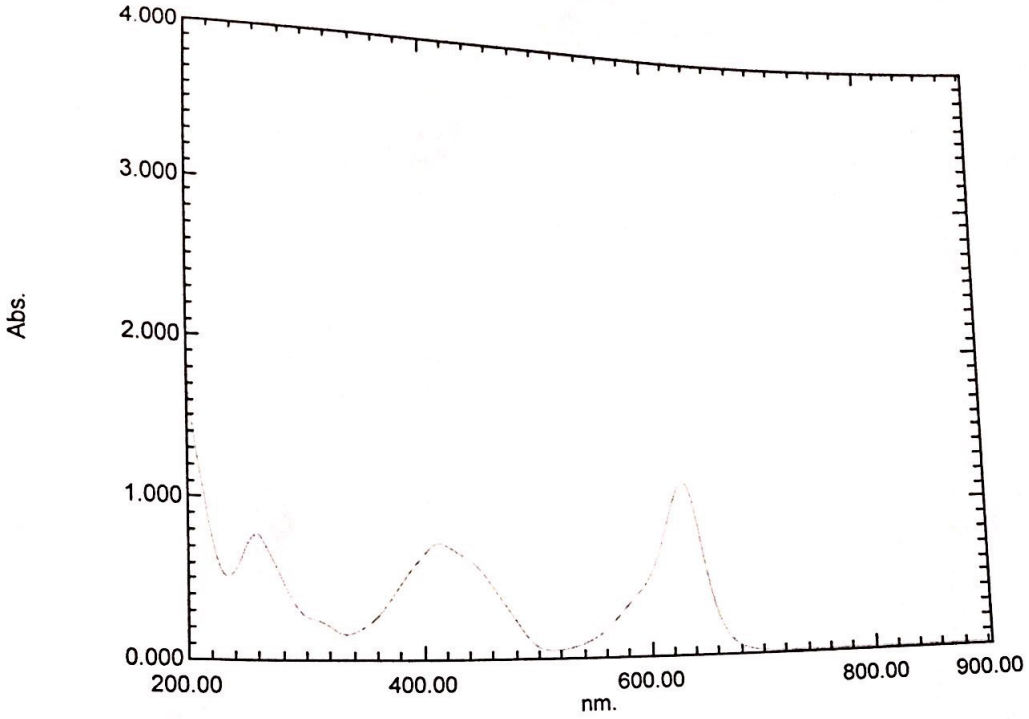
C723-022C Trial 1



Measurement Properties	
Wavelength Range (nm.):	200.00 to 900.00
Scan Speed:	Fast
Sampling Interval:	1.0
Auto Sampling Interval:	Disabled
Scan Mode:	Auto

No.	Wavelength nm.	Abs.
1	629.00	1.157
2	412.00	0.746
3	258.00	0.776

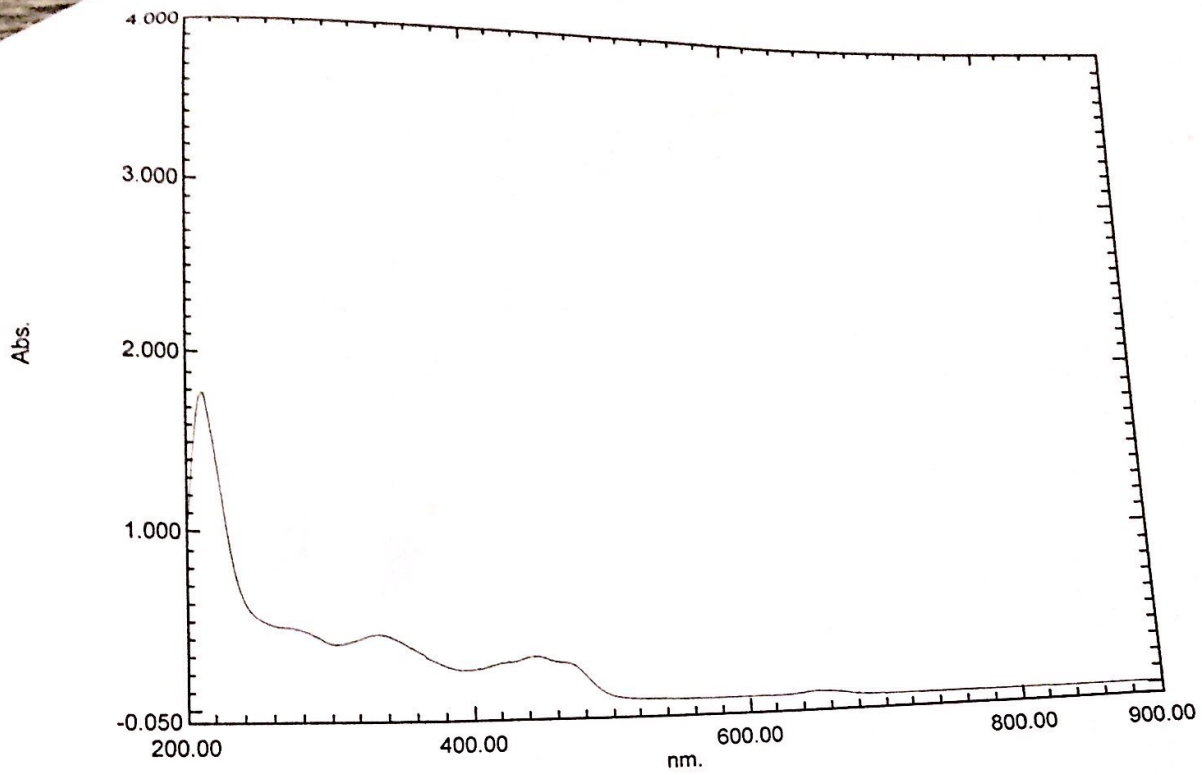
Scanned with CamScanner



Measurement Properties	
Wavelength Range (nm.):	200.00 to 900.00
Scan Speed:	Fast
Sampling Interval:	1.0
Auto Sampling Interval:	Disabled
Scan Mode:	Auto

No.	Wavelength nm.	Abs.
1	629.00	1.152
2	412.00	0.749
3	257.00	0.780

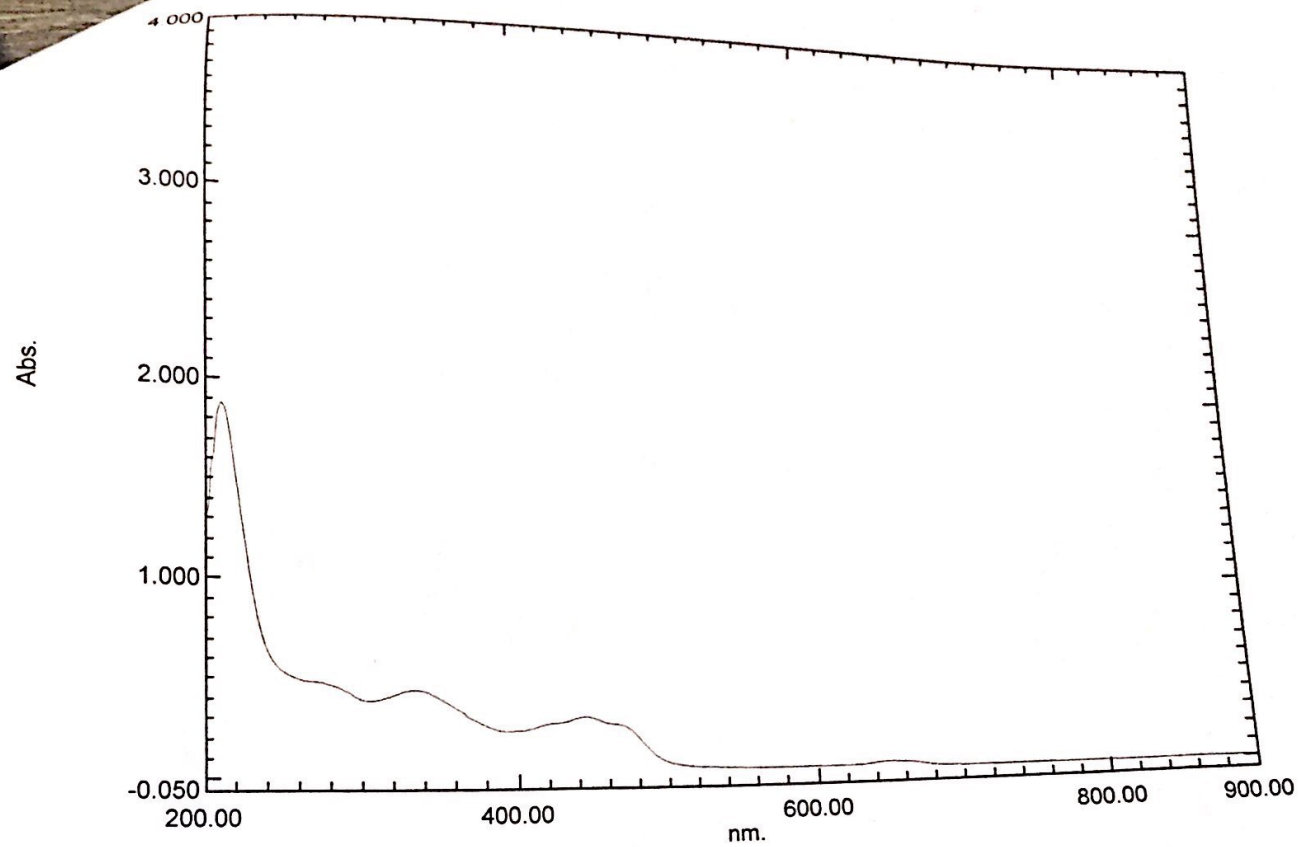
Scanned with CamScanner



Measurement Properties	
Wavelength Range (nm.):	200.00 to 900.00
Scan Speed:	Fast
Sampling Interval:	1.0
Auto Sampling Interval:	Disabled
Scan Mode:	Auto

No.	Wavelength nm.	Abs.
1	649.00	0.049
2	444.00	0.303
3	333.00	0.432
4	211.00	1.772
5	741.00	0.015
6	615.00	0.033
7	393.00	0.228
8	303.00	0.376

Scanned with CamScanner



Measurement Properties	
Wavelength Range (nm.):	200.00 to 900.00
Scan Speed:	Fast
Sampling Interval:	1.0
Auto Sampling Interval:	Disabled
Scan Mode:	Auto

No.	Wavelength nm.	Abs.
1	648.00	0.047
2	444.00	0.311
3	332.00	0.447
4	210.00	1.876
5	742.00	0.012
6	615.00	0.031
7	581.00	0.032
8	392.00	0.238
9	303.00	0.391

Scanned with CamScanner