

TÀI LIỆU THAM KHẢO

Tài liệu tham khảo tiếng Việt

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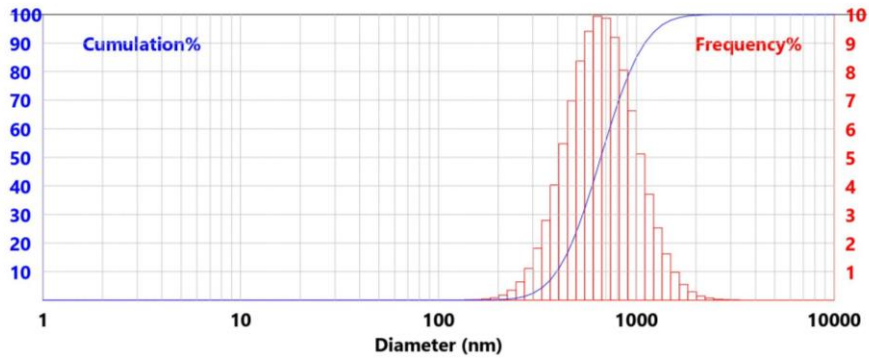
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PHỤ LỤC

PHỤ LỤC A – KẾT QUẢ DLS CỦA MẪU SỬ DỤNG CÁC LOẠI CHĐBM KHÁC NHAU

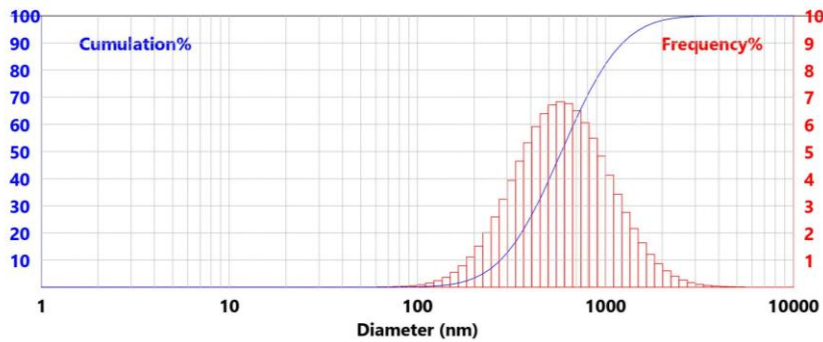
A1- KẾT QUẢ DLS TWEEN 20

Test Result:		
Dav Diameter:Xav=884.68 nm	Dispersion Index:PI=0.1735	Photon Count:287
D10= 396.22 nm	D50= 662.27 nm	D90= 1104.01 nm



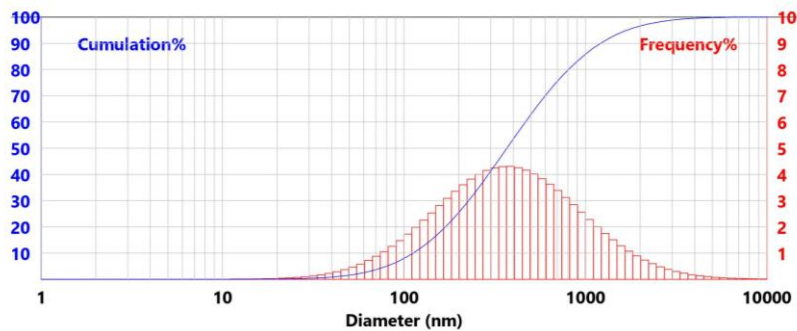
A2 – KẾT QUẢ DLS TWEEN 40

Test Result:		
Dav Diameter:Xav=1024.95 nm	Dispersion Index:PI=0.4067	Photon Count:247
D10= 276.44 nm	D50= 584.99 nm	D90= 1236.18 nm



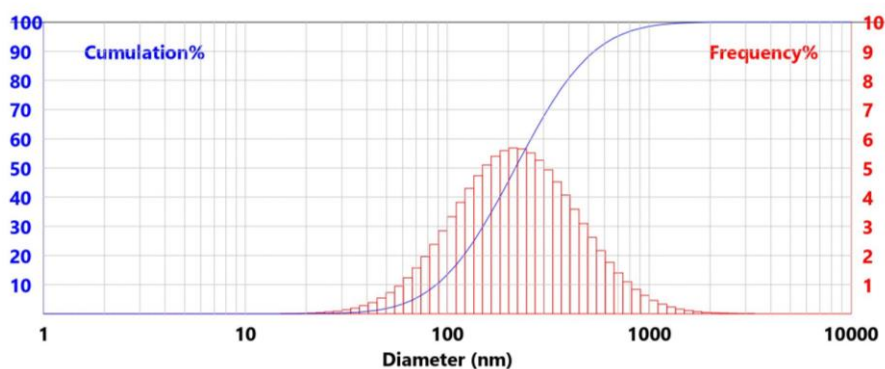
A3 – KẾT QUẢ DLS TWEEN 60

Test Result:		
Dav Diameter:Xav=1411.94 nm	Dispersion Index:PI=1.3646	Photon Count:357
D10= 112.51 nm	D50= 369.36 nm	D90= 1212.05 nm



A4 – KẾT QUẢ ĐO DLS TWEEN 80

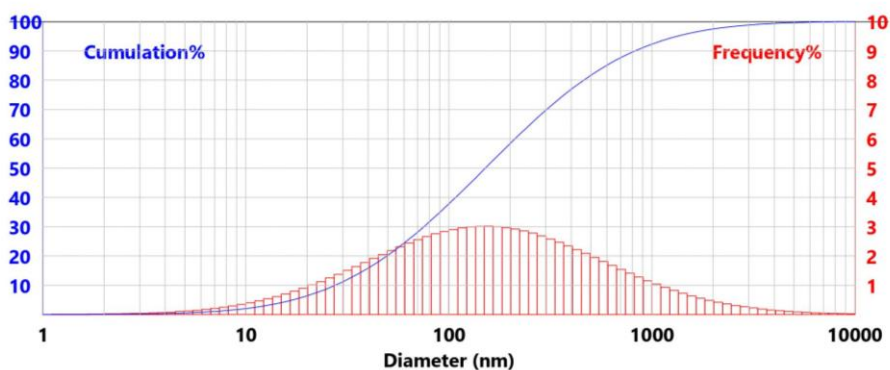
Test Result:		
Dav Diameter:Xav=479.10 nm	Dispersion Index:PI=0.6379	Photon Count:34
D10= 88.37 nm	D50= 217.59 nm	D90= 535.81 nm



PHỤ LỤC B – KẾT QUẢ KÍCH THƯỚC HẠT Ở CÁC TỶ LỆ CHẤT HOẠT ĐỘNG BỀ MẶT VÀ DẦU KHÁC NHAU

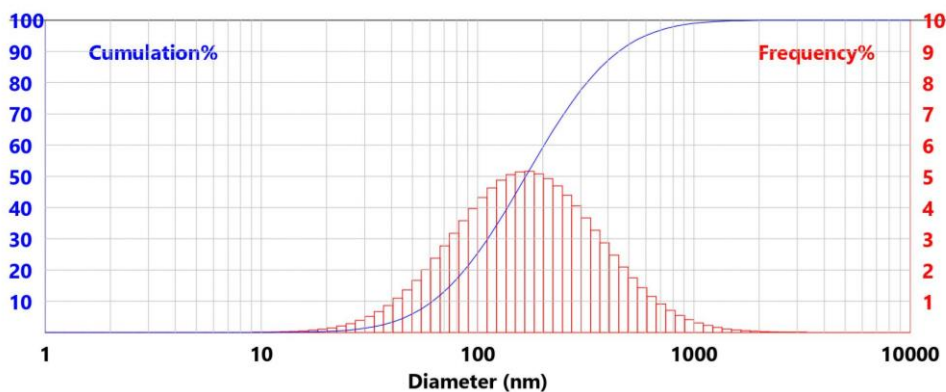
B1 – KẾT QUẢ SOR 1:1

Test Result:		
Dav Diameter:Xav=2231.99 nm	Dispersion Index:PI=4.8179	Photon Count:356
D10= 27.63 nm	D50= 151.2 nm	D90= 824.47 nm



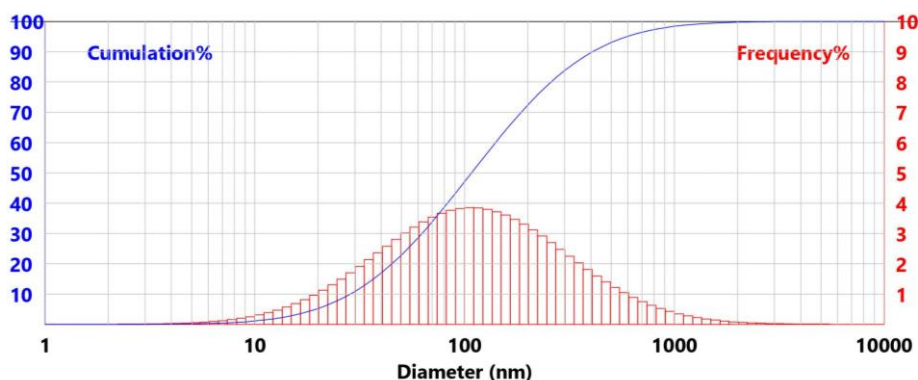
B2 – KẾT QUẢ DLS SOR 2:1

Test Result:		
Dav Diameter:Xav=430.72 nm	Dispersion Index:PI=0.8194	Photon Count:359
D10= 61.95 nm	D50= 167.04 nm	D90= 449.73 nm



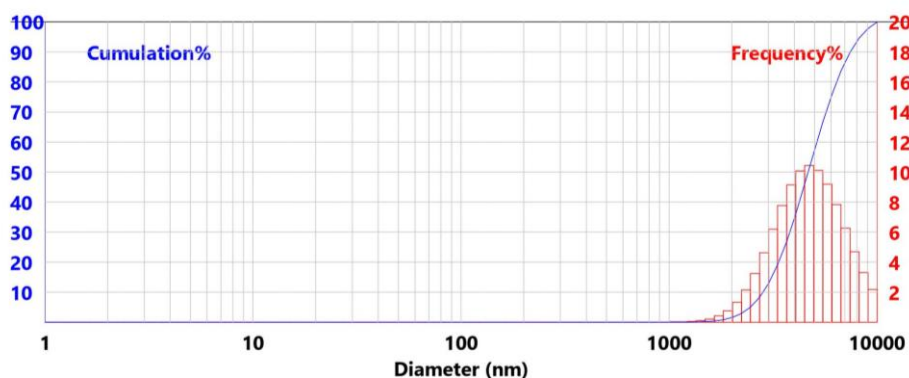
B3 – KẾT QUẢ DLS SOR 3:1

Test Result:		
Dav Diameter:Xav=569.65 nm	Dispersion Index:PI=1.9317	Photon Count:253
D10= 28.58 nm	D50= 108.04 nm	D90= 407.71 nm



B4 – KẾT QUẢ DLS SOR 4:1

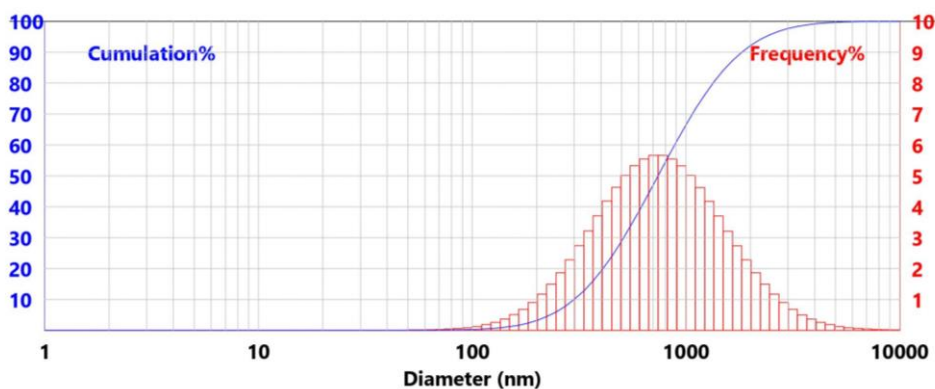
Test Result:		
Dav Diameter:Xav=6278.65 nm	Dispersion Index:PI=0.1683	Photon Count:39
D10= 2830.34 nm	D50= 4668.45 nm	D90= 7430.95 nm



PHỤ LỤC C – KẾT QUẢ DLS CỦA MẪU Ở CÁC TỶ LỆ NƯỚC KHÁC NHAU

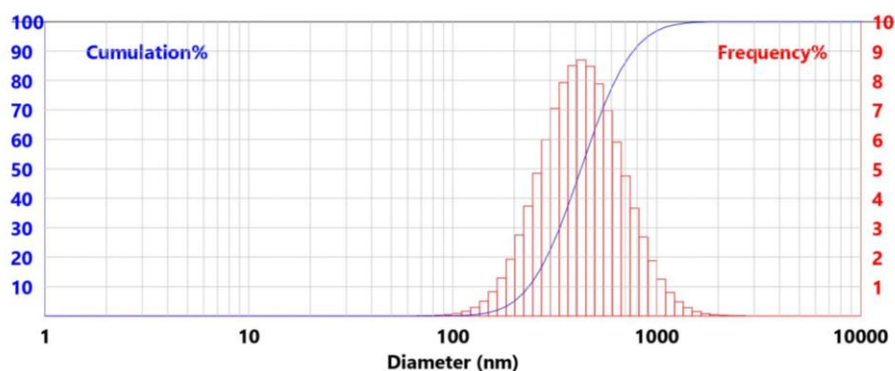
C1 – KẾT QUẢ DLS TỶ LỆ 50

Test Result:		
Dav Diameter:Xav=1637.72 nm	Dispersion Index:PI=0.6421	Photon Count:170
D10= 300.41 nm	D50= 740.23 nm	D90= 1823.35 nm



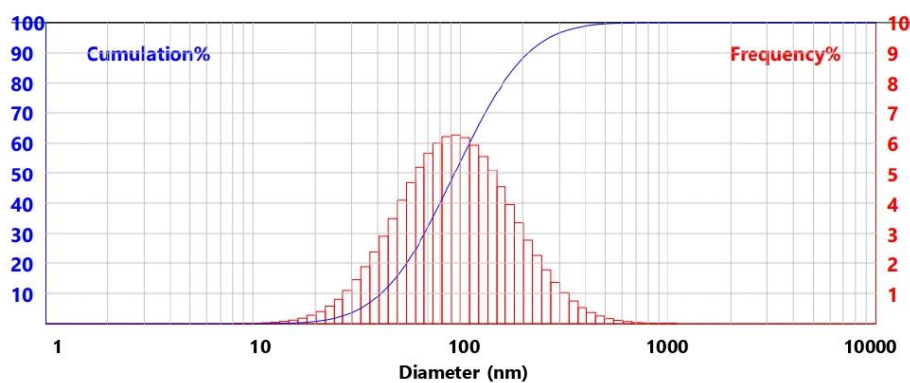
C2 – KẾT QUẢ DLS TỶ LỆ 60%

Test Result:		
Dav Diameter:Xav=613.75 nm	Dispersion Index:PI=0.2348	Photon Count:274
D10= 235.95 nm	D50= 426 nm	D90= 768.88 nm



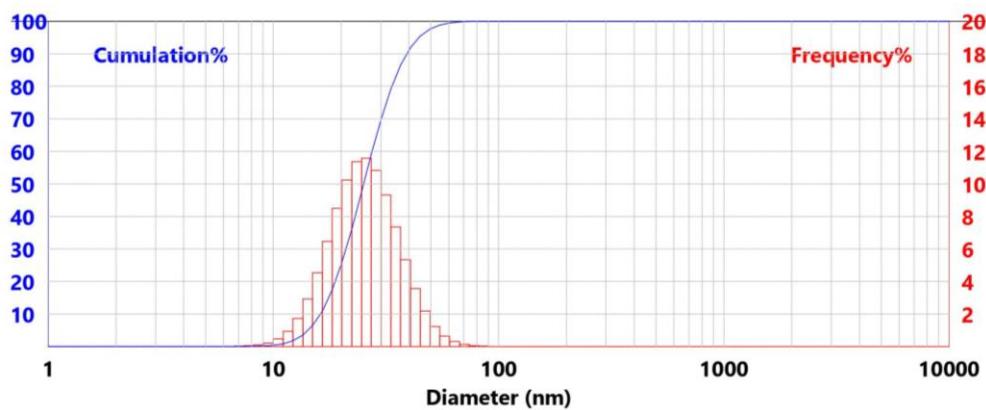
C3 – KẾT QUẢ DLS TỶ LỆ 70%

Test Result:		
Dav Diameter:Xav=181.49 nm	Dispersion Index:PI=0.4995	Photon Count:66
D10= 41.58 nm	D50= 94.13 nm	D90= 213.16 nm



C4 – KẾT QUẢ DLS TỶ LỆ 80%

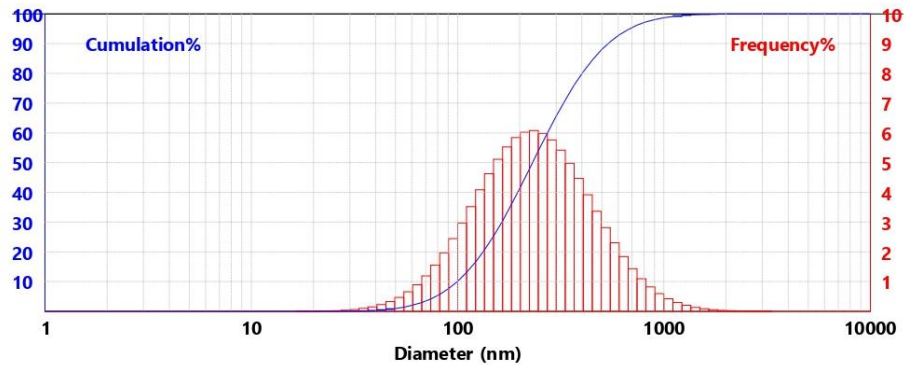
Test Result:		
Dav Diameter:Xav=31.59 nm	Dispersion Index:PI=0.1257	Photon Count:3
D10= 16.18 nm	D50= 25.19 nm	D90= 39.26 nm



PHỤ LỤC D – KẾT QUẢ DLS CỦA MẪU Ở CÁC NHIỆT ĐỘ KHÁC NHAU

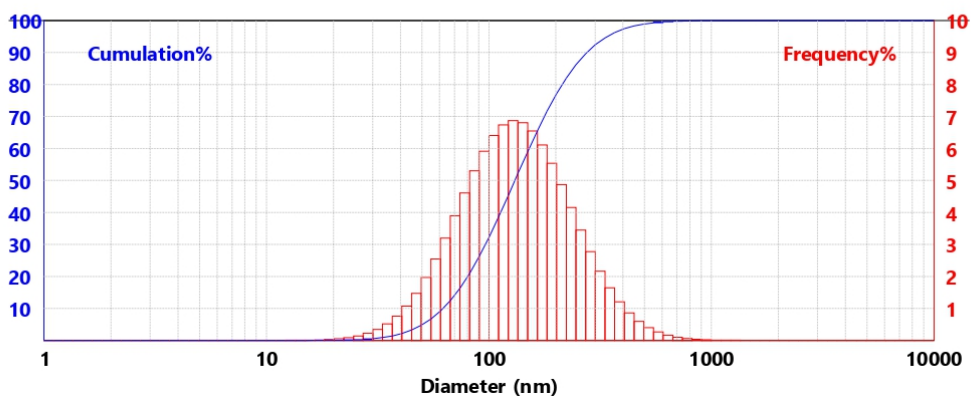
D1 – KẾT QUẢ DLS Ở NHIỆT ĐỘ 65

Test Result:		
Dav Diameter:Xav=463.96 nm	Dispersion Index:PI=0.5404	Photon Count:372
D10= 99.46 nm	D50= 231.09 nm	D90= 536.87 nm



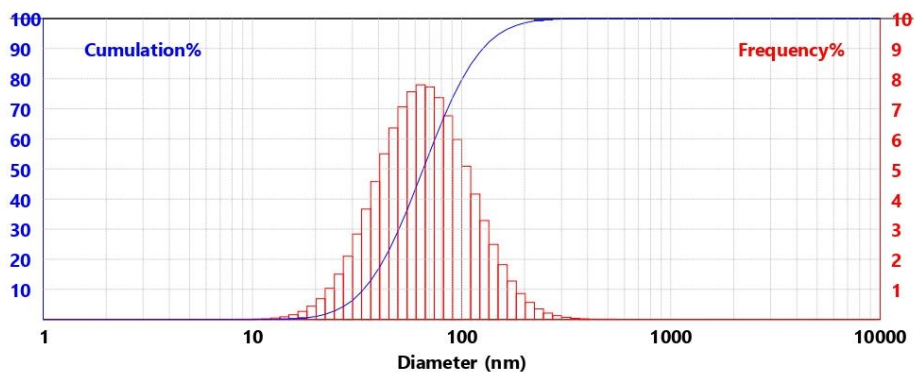
D2 – KẾT QUẢ DLS Ở NHIỆT ĐỘ 70

Test Result:		
Dav Diameter:Xav=228.10 nm	Dispersion Index:PI=0.4014	Photon Count:56
D10= 62.11 nm	D50= 130.92 nm	D90= 275.55 nm



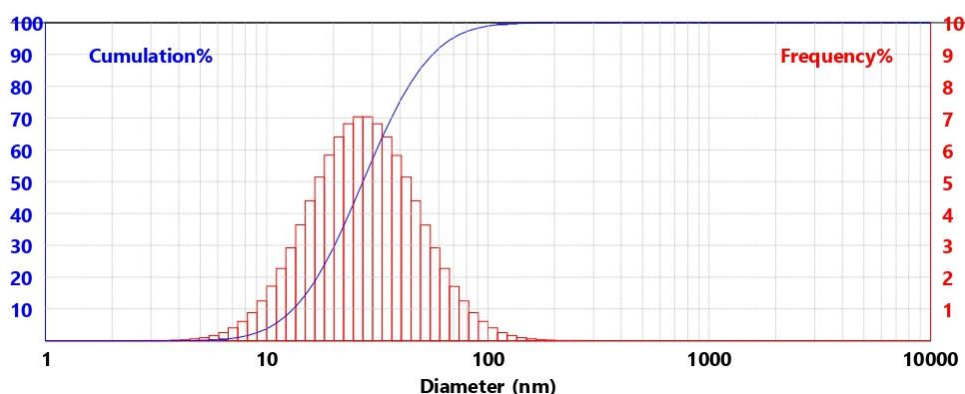
D3 – KẾT QUẢ DLS Ở NHIỆT ĐỘ 75

Test Result:		
Dav Diameter:Xav=102.01 nm	Dispersion Index:PI=0.2994	Photon Count:114
D10= 33.99 nm	D50= 65.56 nm	D90= 126.58 nm



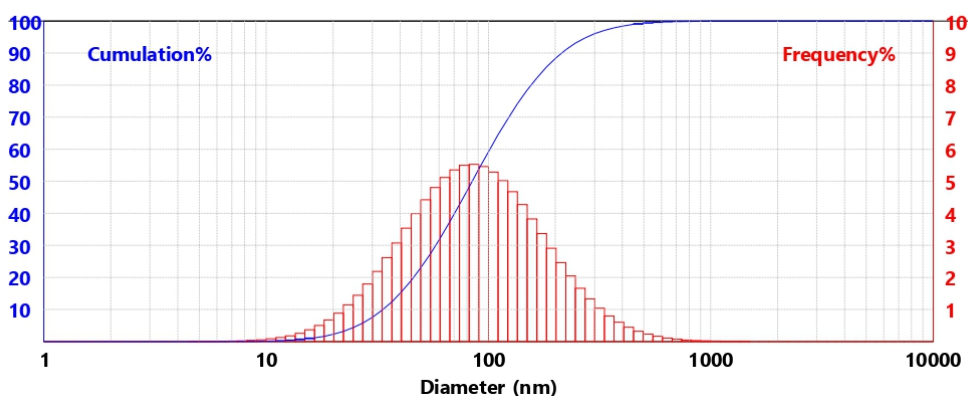
D4 – KẾT QUẢ DLS Ở NHIỆT ĐỘ 80

Test Result:		
Dav Diameter: Xav=46.17 nm	Dispersion Index: PI=0.3761	Photon Count:65
D10= 13.19 nm	D50= 27.21 nm	D90= 56.24 nm



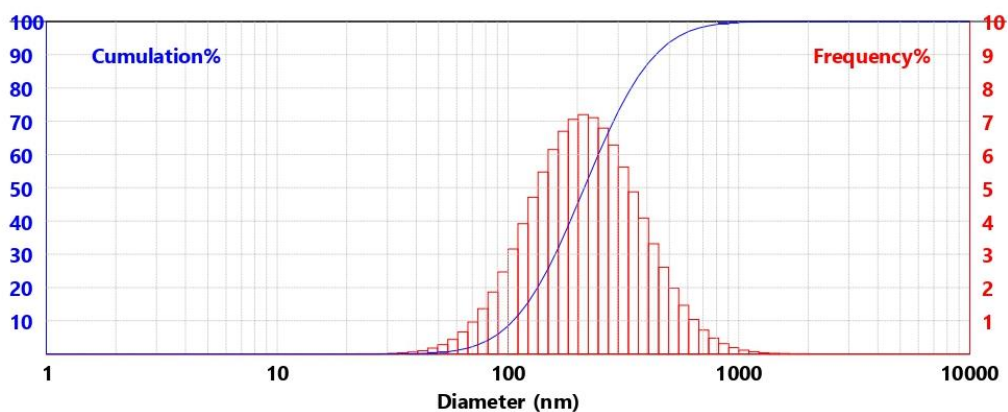
D5 – KẾT QUẢ DLS TẠI PIT 85 °C

Test Result:		
Dav Diameter: Xav=194.35 nm	Dispersion Index: PI=0.6849	Photon Count:51
D10= 33.51 nm	D50= 84.62 nm	D90= 213.86 nm



D6 – KẾT QUẢ DLS TẠI PIT 90 °C

Test Result:		
Dav Diameter: Xav=357.28 nm	Dispersion Index: PI=0.3605	Photon Count:371
D10= 105.1 nm	D50= 214.4 nm	D90= 437.08 nm



PHỤ LỤC D – KẾT QUẢ ANOVA VÒNG KHÁNG KHUẨN
D1 – KẾT QUẢ ANOVA VÒNG KHÁNG KHUẨN LOẠI CHẤT HOẠT
ĐỘNG BỀ MẶT

ANOVA

VKK

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.375	3	0.458	3.667	.121
Within Groups	0.500	4	0.125		
Total	1.875	7			

Vùng ức chế (mm) trên vi khuẩn *E. coli*

Tukey B

MAUU	N	Subset for alpha = 0.05	
		1	
Tween 40	2		8.0000
Tween 60	2		8.0000
Tween 80	2		8.5000
Tween 20	2		9.0000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

ANOVA

VKK

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	0.375	3	0.125	0.200	0.891
Within Groups	2.500	4	0.625		
Total	2.875	7			

Vùng ức chế (mm) trên vi khuẩn *S. aureus*

Tukey B

MÃU	N	Subset for alpha = 0.05	
		1	
Tween 20	2		8.5000
Tween 40	2		9.0000
Tween 60	2		9.0000
Tween 80	2		9.0000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

D2 – KẾT QUẢ ANOVA VÒNG KHÁNG KHUẨN Ở SOR

ANOVA

VKK

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	41.000	3	13.667	10.933	0.021
Within Groups	5.000	4	1.250		
Total	46.000	7			

Vùng ức chế (mm) trên vi khuẩn *E. coli*

Tukey B

Mẫu	N	Subset for alpha = 0.05	
		a	b
SOR 3:1	2	6.0000	
SOR 4:1	2	7.1700	
SOR 2:1	2	8.8300	8.8300
SOR 1:1	2		11.5000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

ANOVA

VKK

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	30.375	3	10.125	27.000	.004
Within Groups	1.500	4	.375		
Total	31.875	7			

Vùng ức chế (mm) trên vi khuẩn *S. aureus*

Tukey B

MAU	N	Subset for alpha = 0.05		
		a	b	c
SOR 1:4	2	6.5000		
SOR 1:2	2		9.5000	
SOR 1:3	2		8.1700	
SOR 1:1	2			11.8300

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

D3 – KẾT QUẢ ANOVA TỶ LỆ NƯỚC

ANOVA

VKK

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	105.375	3	35.125	93.667	.000
Within Groups	1.500	4	.375		
Total	106.875	7			

Vùng ức chế (mm) trên vi khuẩn *S. aureus*

Tukey B

MAU	N	Subset for alpha = 0.05		
		a	b	c
N80%	2	8.1700		
N70%	2	9.5000		
N60%	2		12.6500	
N50%	2			18.5000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

ANOVA

VKK

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	75.000	3	25.000	100.000	.000
Within Groups	1.000	4	.250		
Total	76.000	7			

Vùng ức chế (mm) trên vi khuẩn *E. coli*

Tukey B

MAU	N	Subset for alpha = 0.05		
		a	b	c
N80%	2	8.0000		
N70%	2	9.1700		
N60%	2		12.1700	
N50%	2			17.0000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

D4 – KẾT QUẢ ANOVA NHIỆT ĐỘ ĐẢO PHA

ANOVA

VKK

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	27.887	5	5.577	14.742	.003
Within Groups	2.270	6	.378		
Total	30.157	11			

VÒNG KHÁNG KHUẨN *S. aureus*

Tukey B

NHIETDO	N	Subset for alpha = 0.05		
		a	b	c
90.00	2	5.5000		
80.00	2	6.7000	6.7000	
85.00	2	7.0000	7.0000	
65.00	2		7.8000	7.8000
70.00	2			9.6500
75.00	2			9.6500

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

ANOVA

VKKE

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	18.744	5	3.749	12.461	.004
Within Groups	1.805	6	.301		
Total	20.549	11			

VÒNG KHÁNG KHUẨN *E. coli*

Tukey B

NHIETDO	N	Subset for alpha = 0.05		
		a	b	c
90.00	2	4.9000		
85.00	2	5.5000	5.5000	
80.00	2	6.5000	6.5000	6.5000
65.00	2		7.2000	7.2000
70.00	2			8.0000
75.00	2			8.3500

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

PHỤ LỤC E – KẾT QUẢ PHÂN TÍCH TRÊN SPSS CỦA KÍCH THƯỚC HẠT E1 – KẾT QUẢ ANOVA SỬ DỤNG CÁC LOẠI TWEEN KHÁC NHAU

ANOVA

Kích thước hạt

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	916209.022	3	305403.007	160.452	.000
Within Groups	7613.549	4	1903.387		
Total	923822.571	7			

KÍCH THƯỚC HẠT

Tukey B

M	N	Subset for alpha = 0.05			
		a	b	c	d
Tween 80	2	488.0100			
Tween 20	2		917.6200		
Tween 40	2			1072.5950	
Tween 60	2				1431.2350

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

E2 - KẾT QUẢ ANOVA Ở CÁC SOR KHÁC NHAU

ANOVA

KTH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	66493735.071	3	22164578.357	549.024	.000
Within Groups	161483.395	4	40370.849		
Total	66655218.466	7			

KÍCH THƯỚC HẠT

Tukey B

Ma	N	Subset for alpha = 0.05		
		a	b	c
SOR 2:1	2	436.2000		
SOR 3:1	2	578.8700		
SOR 1:1	2		2327.0600	
SOR 4:1	2			7546.2100

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

E3 - KẾT QUẢ ANOVA CỦA HỆ NHỮ Ở CÁC TỶ LỆ NƯỚC KHÁC NHAU

ANOVA

KTH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3600984.268	3	1200328.089	134.484	.000
Within Groups	35701.820	4	8925.455		
Total	3636686.088	7			

KÍCH THƯỚC HẠT

Tukey B

MAU	N	Subset for alpha = 0.05		
		a	b	c
N80%	2	30.6600		
N70%	2	206.0250		
N60%	2		673.4850	
N50%	2			1754.6700

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

E4 - KẾT QUẢ ANOVA CỦA HỆ NHỮ Ở CÁC NHIỆT ĐỘ KHÁC NHAU

ANOVA

KTH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	221594.643	5	44318.929	85.405	.000
Within Groups	3113.573	6	518.929		
Total	224708.215	11			

KÍCH THƯỚC HẠT

Tukey B

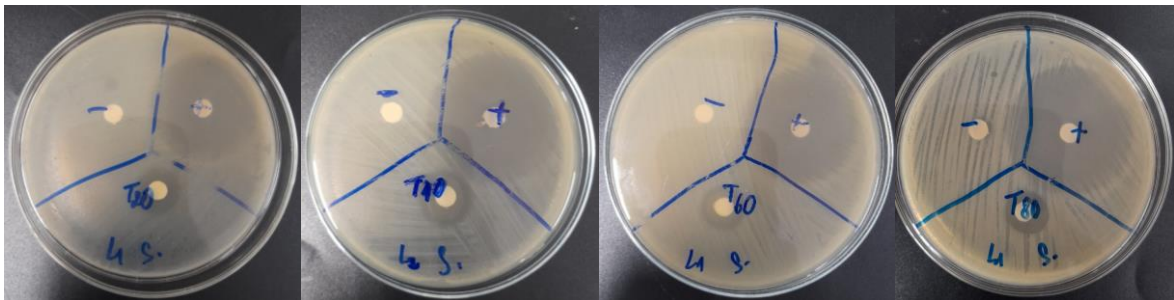
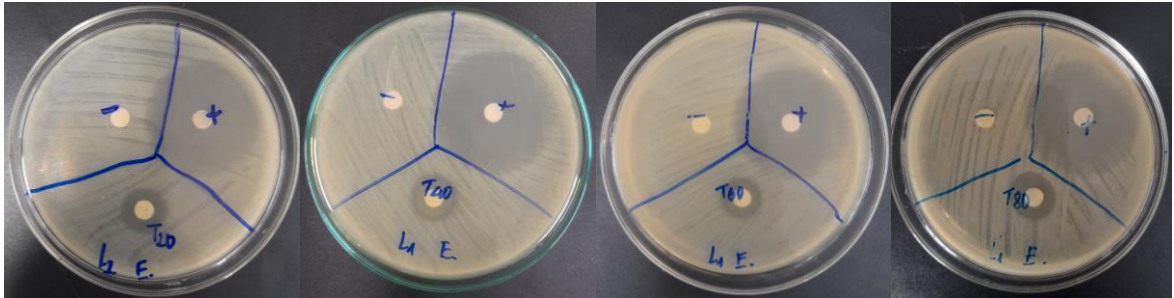
MAU	N	Subset for alpha = 0.05				
		a	b	c	d	e
80.00	2	51.9750				
75.00	2	119.9250	119.9250			
85.00	2		185.2000			
70.00	2			258.7700		
90.00	2				347.5200	
65.00	2					454.9150

Means for groups in homogeneous subsets are displayed.

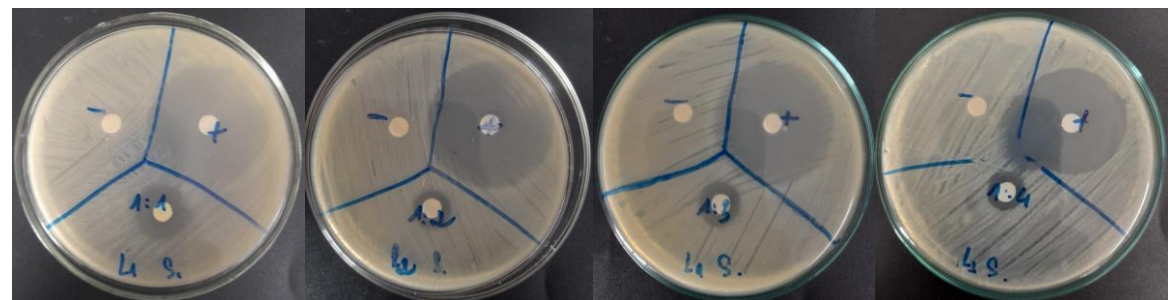
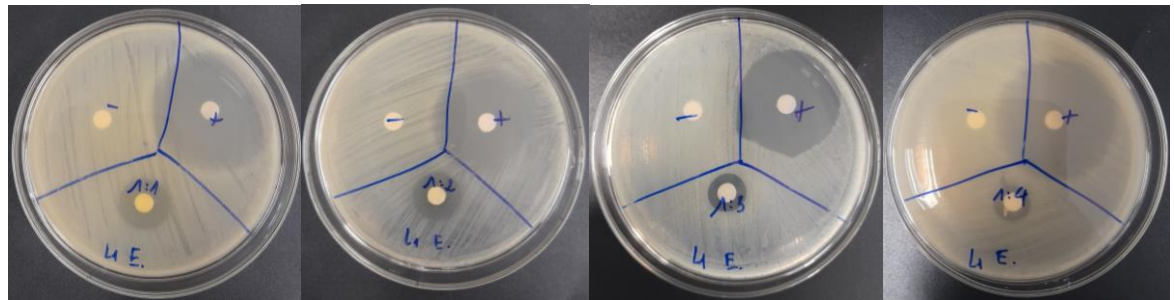
a. Uses Harmonic Mean Sample Size = 2.000.

PHỤ LỤC F – KẾT QUẢ PHƯƠNG PHÁP KHUẾCH TÁN ĐĨA

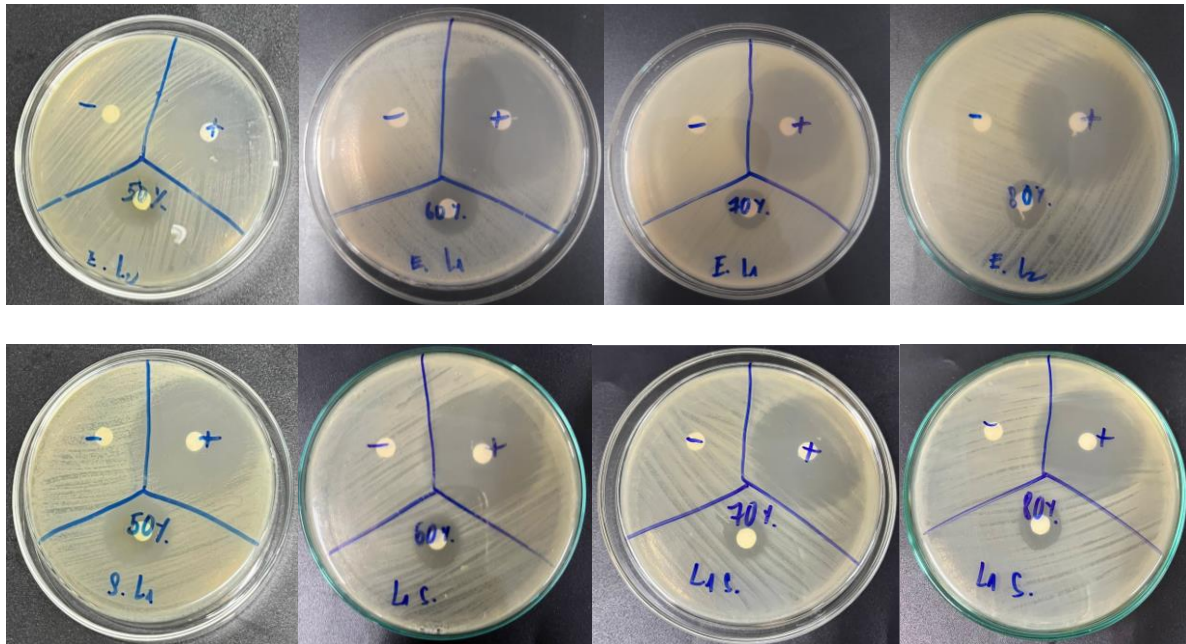
F1 – HÌNH ẢNH VÒNG KHÁNG KHUẨN SỬ DỤNG CÁC LOẠI CHẤT NHỮ HOÁ KHÁC NHAU



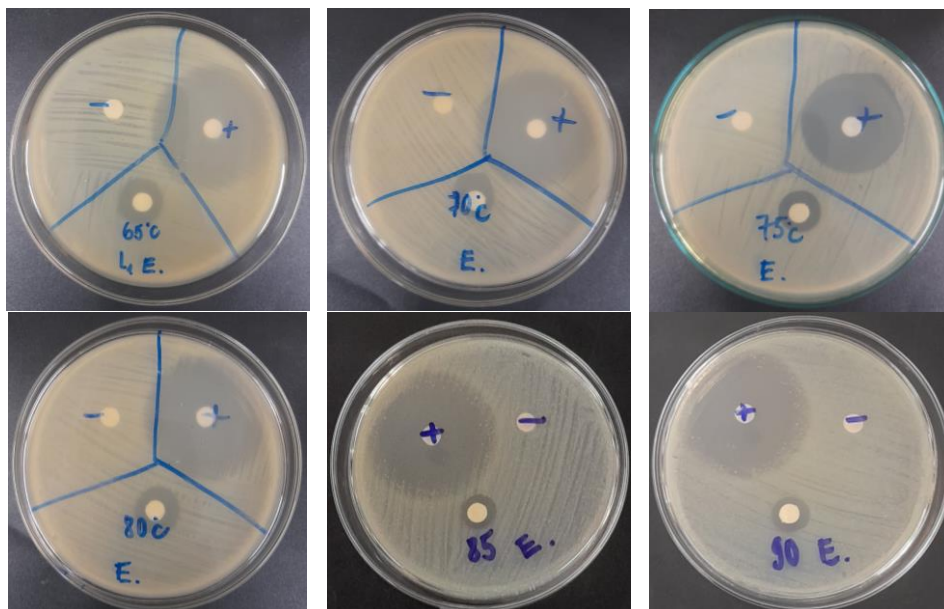
F2 - HÌNH ẢNH VÒNG KHÁNG KHUẨN Ở SOR KHÁC NHAU



F3 - HÌNH ẢNH VÒNG KHÁNG KHUẨN CỦA MẪU Ở CÁC TỶ LỆ NƯỚC KHÁC NHAU



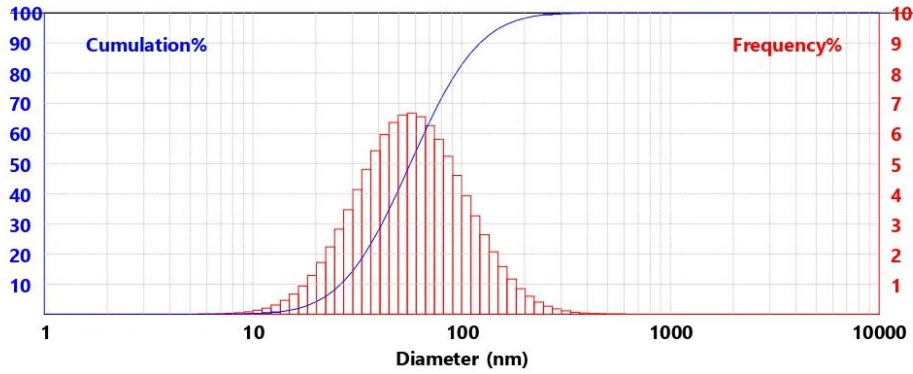
F5 - HÌNH ẢNH VÒNG KHÁNG KHUẨN CỦA MẪU Ở CÁC NHIỆT ĐỘ KHÁC NHAU



PHỤ LỤC G – KÍCH THƯỚC HẠT CỦA MẪU TỐI ƯU

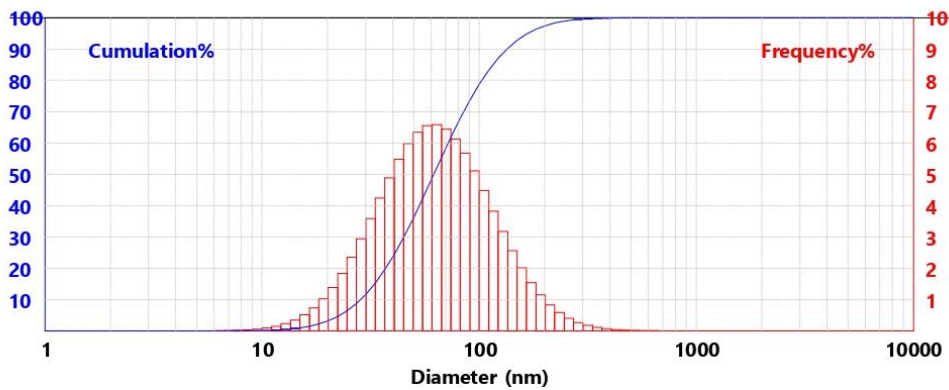
G1 – KÍCH THƯỚC HẠT CỦA MẪU TRƯỚC ĐÁNH GIÁ ĐỘ BỀN

Test Result:		
Dav Diameter: Xav=102.15 nm	Dispersion Index: PI=0.4306	Photon Count: 251
D10= 26.37 nm	D50= 56.85 nm	D90= 122.16 nm



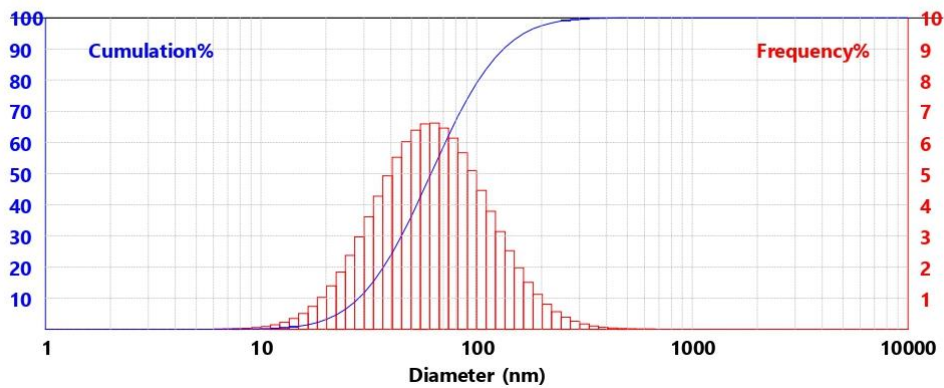
G2 – KÍCH THƯỚC HẠT CỦA MẪU SAU LY TÂM

Test Result:		
Dav Diameter: Xav=112.52 nm	Dispersion Index: PI=0.4432	Photon Count: 251
D10= 28.39 nm	D50= 61.78 nm	D90= 134.17 nm

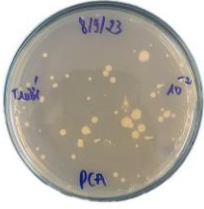
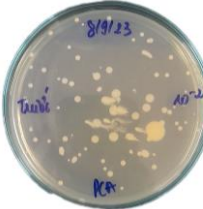
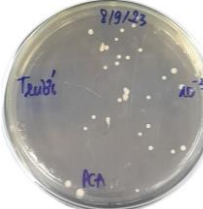


G3 – KÍCH THƯỚC HẠT CỦA MẪU SAU ĐÁNH SIÊU ÂM

Test Result:		
Dav Diameter: Xav=111.39 nm	Dispersion Index: PI=0.4378	Photon Count: 278
D10= 28.38 nm	D50= 61.49 nm	D90= 133.17 nm



PHỤ LỤC H – ĐĨA THẠCH PCA CỦA MẪU Ở CÁC HỆ SỐ PHA LOÃNG KHÁC NHAU TRƯỚC VÀ SAU KHI XỊT DUNG DỊCH DIỆT KHUẨN

Hệ số pha loãng	10^{-2}	10^{-3}	
Mẫu trước khi xít			
Mẫu sau khi xít	