



Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AC46135	Pokagon SP - Main Beach	8/11/2025	8/13/2025	< 0.10
AC46136	Pokagon SP - Potawatomi Inn Beach	8/11/2025	8/13/2025	< 0.10
AC46137	Chain O'Lakes SP - Sand Lake Beach	8/11/2025	8/13/2025	< 0.10
AC46138	Ouabache SP - Kunkel Lake Beach	8/11/2025	8/13/2025	< 0.10
AC46139	Potato Creek SP - Worster Lake Beach	8/12/2025	8/13/2025	< 0.10
AC46140	Mississinewa Lake - Miami SRA Beach	8/12/2025	8/13/2025	< 0.10
AC46141	Salamonie Lake - Lost Bridge West SRA Beach	8/12/2025	8/13/2025	< 0.10
AC46142	Summit Lake SP - Summit Lake Beach	8/12/2025	8/13/2025	< 0.10
AC46143	Mississinewa Lake - Miami SRA Beach (Field Duplicate)	8/12/2025	8/13/2025	< 0.10
AC46144	Field Blank	8/12/2025	8/13/2025	< 0.10
AC46145	Ferdinand State Forest - Ferdinand Lake Beach	8/11/2025	8/13/2025	< 0.10
AC46146	Patoka Lake - Newton Stewart SRA	8/11/2025	8/14/2025	< 0.10

Test Report (by Request)

Test Information

Request: 8/13/2025 6:29:27 PM
Date: 8/13/2025

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
CYL Std 0	CYLINDROSPERMOPSIN	0.993 Abs	0.003 µg/L	R^2=0.99593, 96.5%		0.000	Kit:25079C
CYL Std 0	CYLINDROSPERMOPSIN	1.063 Abs [1.0280] {4.8 C	0.000 µg/L [0.002]	R^2=0.99593, 103.4%		0.000	Kit:25079C
CYL Std 1	CYLINDROSPERMOPSIN	0.870 Abs	0.038 µg/L	R^2=0.99593, 84.6%		0.050	Kit:25079C
CYL Std 1	CYLINDROSPERMOPSIN	0.817 Abs [0.8435] {4.4 C	0.064 µg/L [0.051]	R^2=0.99593, 79.4%		0.050	Kit:25079C
CYL Std 2	CYLINDROSPERMOPSIN	0.734 Abs	0.123 µg/L	R^2=0.99593, 71.4%		0.100	Kit:25079C
CYL Std 2	CYLINDROSPERMOPSIN	0.808 Abs [0.7710] {6.8 C	0.070 µg/L [0.097]	R^2=0.99593, 78.5%		0.100	Kit:25079C
CYL Std 3	CYLINDROSPERMOPSIN	0.604 Abs	0.275 µg/L	R^2=0.99593, 58.7%		0.250	Kit:25079C
CYL Std 3	CYLINDROSPERMOPSIN	0.585 Abs [0.5945] {2.3 C	0.306 µg/L [0.291]	R^2=0.99593, 56.9%		0.250	Kit:25079C
CYL Std 4	CYLINDROSPERMOPSIN	0.552 Abs	0.367 µg/L	R^2=0.99593, 53.6%		0.500	Kit:25079C
CYL Std 4	CYLINDROSPERMOPSIN	0.498 Abs [0.5250] {7.3 C	0.493 µg/L [0.430]	R^2=0.99593, 48.4%		0.500	Kit:25079C
CYL Std 5	CYLINDROSPERMOPSIN	0.388 Abs	0.893 µg/L	R^2=0.99593, 37.7%		1.000	Kit:25079C
CYL Std 5	CYLINDROSPERMOPSIN	0.316 Abs [0.3520] {14.5	1.339 µg/L [1.116]	R^2=0.99593, 30.7%		1.000	Kit:25079C
CYL Std 6	CYLINDROSPERMOPSIN	0.247 Abs	> 2.000 µg/L	24.027 %Abs		2.000	Kit:25079C
CYL Std 6	CYLINDROSPERMOPSIN	0.259 Abs [0.2530] {3.4 C	1.888 µg/L [1.888]	R^2=0.99593, 25.1%		2.000	Kit:25079C
CYL QCS	CYLINDROSPERMOPSIN	0.406 Abs	0.809 µg/L	39.494 %Abs			Kit:25079C
CYL QCS	CYLINDROSPERMOPSIN	0.449 Abs [0.4275] {7.1 C	0.641 µg/L [0.725]	43.677 %Abs [41.5			Kit:25079C

Note

* A - Abs > 3; IA - Initial Abs; DA - Delta Abs; SD - SD of Abs; LR - Linear Range; [...] - Mean result of duplicate tests
* Generated by software version (6.4.1.1171/1085/1.00/0.95) 8/14/2025 8:21:15 AM

Signature *David Jordan*

David Jordan 8/13/2025

Test Report (by Request)

Test Information

Request: 8/13/2025 6:30:41 PM
Date: 8/13/2025

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
LRB (CYL)	CYLINDROSPERMOPSIN	0.945 Abs	0.013 µg/L	Low, 91.926 %Abs		0.050 - 2.000	Kit:25079C
LRB (CYL)	CYLINDROSPERMOPSIN	0.987 Abs [0.9660] {3.1 C	0.004 µg/L [0.009]	Low, 96.012 %Abs		0.050 - 2.000	Kit:25079C
LFB (CYL)	CYLINDROSPERMOPSIN	0.485 Abs	0.528 µg/L	47.179 %Abs		0.050 - 2.000	Kit:25079C
LFB (CYL)	CYLINDROSPERMOPSIN	0.473 Abs [0.4790] {1.8 C	0.564 µg/L [0.546]	46.012 %Abs [46.5		0.050 - 2.000	Kit:25079C
AC46135	CYLINDROSPERMOPSIN	0.910 Abs	0.023 µg/L	Low, 88.521 %Abs		0.050 - 2.000	Kit:25079C
AC46135	CYLINDROSPERMOPSIN	0.908 Abs [0.9090] {0.2 C	0.024 µg/L [0.024]	Low, 88.327 %Abs		0.050 - 2.000	Kit:25079C
AC46136	CYLINDROSPERMOPSIN	0.945 Abs	0.013 µg/L	Low, 91.926 %Abs		0.050 - 2.000	Kit:25079C
AC46136	CYLINDROSPERMOPSIN	0.952 Abs [0.9485] {0.5 C	0.011 µg/L [0.012]	Low, 92.607 %Abs		0.050 - 2.000	Kit:25079C
AC46137	CYLINDROSPERMOPSIN	0.926 Abs	0.018 µg/L	Low, 90.078 %Abs		0.050 - 2.000	Kit:25079C
AC46137	CYLINDROSPERMOPSIN	0.977 Abs [0.9515] {3.8 C	0.006 µg/L [0.012]	Low, 95.039 %Abs		0.050 - 2.000	Kit:25079C
AC46138	CYLINDROSPERMOPSIN	0.991 Abs	0.004 µg/L	Low, 96.401 %Abs		0.050 - 2.000	Kit:25079C
AC46138	CYLINDROSPERMOPSIN	0.959 Abs [0.9750] {2.3 C	0.010 µg/L [0.007]	Low, 93.288 %Abs		0.050 - 2.000	Kit:25079C
AC46139	CYLINDROSPERMOPSIN	0.965 Abs	0.008 µg/L	Low, 93.872 %Abs		0.050 - 2.000	Kit:25079C
AC46139	CYLINDROSPERMOPSIN	0.980 Abs [0.9725] {1.1 C	0.006 µg/L [0.007]	Low, 95.331 %Abs		0.050 - 2.000	Kit:25079C
AC46139MS	CYLINDROSPERMOPSIN	0.617 Abs	0.255 µg/L	60.019 %Abs		0.050 - 2.000	Kit:25079C
AC46139MS	CYLINDROSPERMOPSIN	0.532 Abs [0.5745] {10.5	0.410 µg/L [0.333]	51.751 %Abs [55.8		0.050 - 2.000	Kit:25079C
AC46139MSD	CYLINDROSPERMOPSIN	0.483 Abs	0.534 µg/L	46.984 %Abs		0.050 - 2.000	Kit:25079C
AC46139MSD	CYLINDROSPERMOPSIN	0.525 Abs [0.5040] {5.9 C	0.426 µg/L [0.480]	51.070 %Abs [49.0		0.050 - 2.000	Kit:25079C
AC46140	CYLINDROSPERMOPSIN	0.938 Abs	0.015 µg/L	Low, 91.245 %Abs		0.050 - 2.000	Kit:25079C
AC46140	CYLINDROSPERMOPSIN	0.937 Abs [0.9375] {0.1 C	0.015 µg/L [0.015]	Low, 91.148 %Abs		0.050 - 2.000	Kit:25079C
AC46141	CYLINDROSPERMOPSIN	0.960 Abs	0.010 µg/L	Low, 93.385 %Abs		0.050 - 2.000	Kit:25079C
AC46141	CYLINDROSPERMOPSIN	0.963 Abs [0.9615] {0.2 C	0.009 µg/L [0.010]	Low, 93.677 %Abs		0.050 - 2.000	Kit:25079C
AC46142	CYLINDROSPERMOPSIN	0.944 Abs	0.013 µg/L	Low, 91.829 %Abs		0.050 - 2.000	Kit:25079C
AC46142	CYLINDROSPERMOPSIN	0.878 Abs [0.9110] {5.1 C	0.035 µg/L [0.024]	Low, 85.409 %Abs		0.050 - 2.000	Kit:25079C
AC46143	CYLINDROSPERMOPSIN	0.936 Abs	0.015 µg/L	Low, 91.051 %Abs		0.050 - 2.000	Kit:25079C
AC46143	CYLINDROSPERMOPSIN	0.973 Abs [0.9545] {2.7 C	0.007 µg/L [0.011]	Low, 94.650 %Abs		0.050 - 2.000	Kit:25079C
AC46144	CYLINDROSPERMOPSIN	0.978 Abs	0.006 µg/L	Low, 95.136 %Abs		0.050 - 2.000	Kit:25079C
AC46144	CYLINDROSPERMOPSIN	0.903 Abs [0.9405] {5.6 C	0.026 µg/L [0.016]	Low, 87.840 %Abs		0.050 - 2.000	Kit:25079C
AC46145	CYLINDROSPERMOPSIN	0.980 Abs	0.006 µg/L	Low, 95.331 %Abs		0.050 - 2.000	Kit:25079C
AC46145	CYLINDROSPERMOPSIN	0.959 Abs [0.9695] {1.5 C	0.010 µg/L [0.008]	Low, 93.288 %Abs		0.050 - 2.000	Kit:25079C

Note

Signature 

David Jordan 8/13/2025

Assay Information

Assay Name: CYLINDROSPERMOPSIN_
Version: 2
Temperature: Room Temperature
Last Modified By: Security disabled
Units: µg/L
Assay Description: PN 522011
Assay Substances: Controls:

Assay Mode: 4-Parameter Logistic Weight by:None
Well Type: Flat bottom
Last Modified On: 9/30/2020 10:05:41 AM
Normal: 0.050 - 2.000
of decimals: 3
Kit Lot Number: Kit:2507906661

CYL QCS
Standards:

CYL Std 0, Concentration = 0.000, Minimum number to use: 2
CYL Std 1, Concentration = 0.050, Minimum number to use: 2
CYL Std 2, Concentration = 0.100, Minimum number to use: 2
CYL Std 3, Concentration = 0.250, Minimum number to use: 2
CYL Std 4, Concentration = 0.500, Minimum number to use: 2
CYL Std 5, Concentration = 1.000, Minimum number to use: 2
CYL Std 6, Concentration = 2.000, Minimum number to use: 2
Curve valid interval: 1 days 0 hours
Axis Mode: Y = Abs, X = Log(Conc)

Assay Calibration

Current Calibration Status: "

"

Name	Absorbance	Concentration	Interpretation	Position
8/13/2025 6:29:27 PM				
CYL Std 0	0.993 Abs	0.003 µg/L	R ² =0.99593, 96.595 %Abs	RK1:23->A01@2
CYL Std 0	1.063 Abs [1.0280] {4.8 CV}	0.000 µg/L [0.002] {141.4 CV}	R ² =0.99593, 103.405 %Abs	RK1:23->B01@2
CYL Std 1	0.870 Abs	0.038 µg/L	R ² =0.99593, 84.630 %Abs	RK1:24->C01@2
CYL Std 1	0.817 Abs [0.8435] {4.4 CV}	0.064 µg/L [0.051] {36.0 CV}	R ² =0.99593, 79.475 %Abs	RK1:24->D01@2
CYL Std 2	0.734 Abs	0.123 µg/L	R ² =0.99593, 71.401 %Abs	RK1:25->E01@2
CYL Std 2	0.808 Abs [0.7710] {6.8 CV}	0.070 µg/L [0.097] {38.8 CV}	R ² =0.99593, 78.599 %Abs	RK1:25->F01@3
CYL Std 3	0.604 Abs	0.275 µg/L	R ² =0.99593, 58.755 %Abs	RK1:26->G01@3
CYL Std 3	0.585 Abs [0.5945] {2.3 CV}	0.306 µg/L [0.291] {7.5 CV}	R ² =0.99593, 56.907 %Abs	RK1:26->H01@3
CYL Std 4	0.552 Abs	0.367 µg/L	R ² =0.99593, 53.696 %Abs	RK1:27->A02@2
CYL Std 4	0.498 Abs [0.5250] {7.3 CV}	0.493 µg/L [0.430] {20.7 CV}	R ² =0.99593, 48.444 %Abs	RK1:27->B02@2
CYL Std 5	0.388 Abs	0.893 µg/L	R ² =0.99593, 37.743 %Abs	RK1:28->C02@2
CYL Std 5	0.316 Abs [0.3520] {14.5 CV}	1.339 µg/L [1.116] {28.3 CV}	R ² =0.99593, 30.739 %Abs	RK1:28->D02@2
CYL Std 6	0.247 Abs	> 2.000 µg/L	24.027 %Abs	RK1:29->E02@2
CYL Std 6	0.259 Abs [0.2530] {3.4 CV}	1.888 µg/L [1.888]	R ² =0.99593, 25.195 %Abs	RK1:29->F02@3

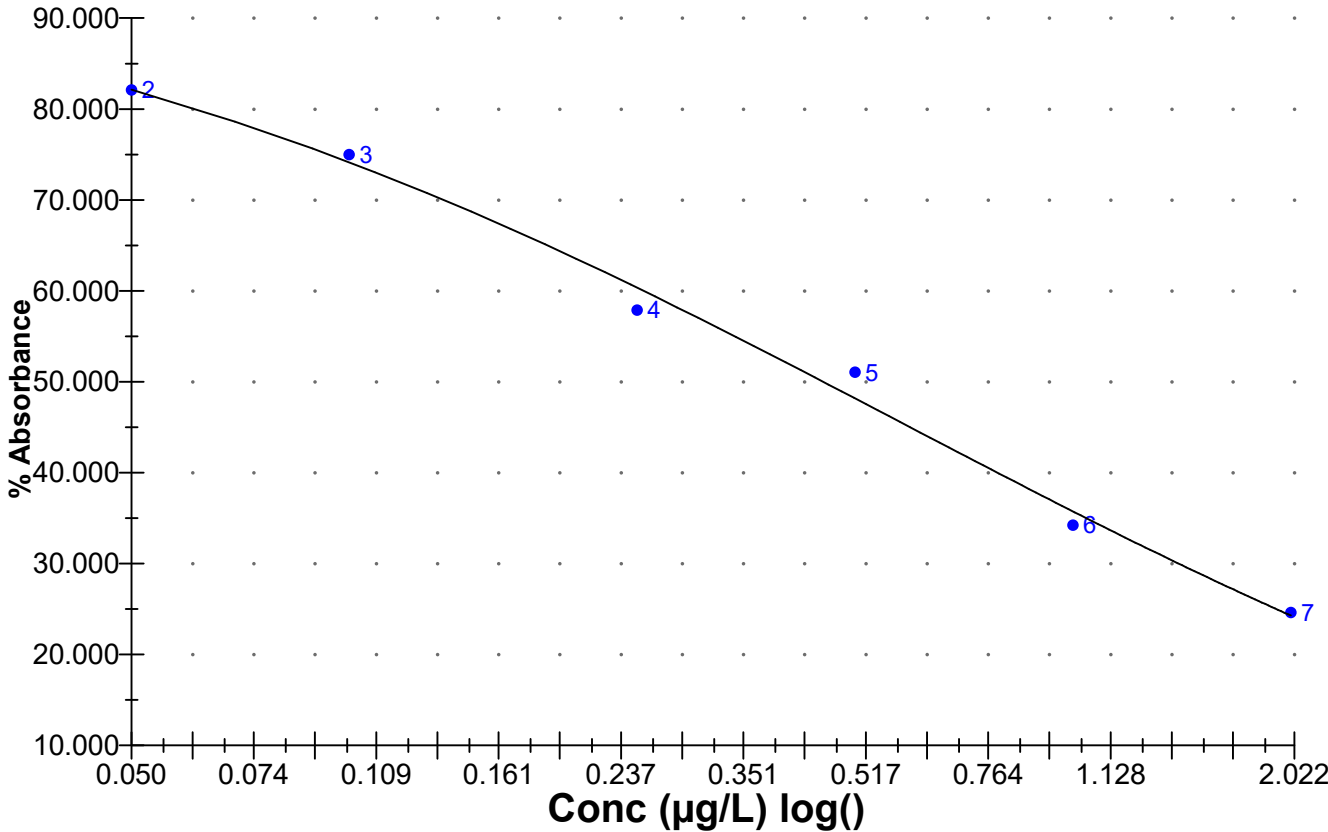
8/13/2025 6:29:27 PM				
CYL QCS	0.406 Abs	0.809 µg/L	39.494 %Abs	RK1:30->G02@3
CYL QCS	0.449 Abs [0.4275] {7.1 CV}	0.641 µg/L [0.725] {16.4 CV}	43.677 %Abs [41.586 %Abs]	RK1:30->H02@3

Statistic				
CYL Std 0 [MEAN]	1.0280	0.0015		
CYL Std 0 [SD]	0.0495	0.0021		
CYL Std 0 [%CV]	4.8149	141.4214		
CYL Std 1 [MEAN]	0.8435	0.0510		
CYL Std 1 [SD]	0.0375	0.0184		
CYL Std 1 [%CV]	4.4430	36.0486		
CYL Std 1 [%DIFF]		2.0000		
CYL Std 2 [MEAN]	0.7710	0.0965		
CYL Std 2 [SD]	0.0523	0.0375		
CYL Std 2 [%CV]	6.7868	38.8359		
CYL Std 2 [%DIFF]		-3.5000		
CYL Std 3 [MEAN]	0.5945	0.2905		
CYL Std 3 [SD]	0.0134	0.0219		
CYL Std 3 [%CV]	2.2599	7.5457		
CYL Std 3 [%DIFF]		16.2000		
CYL Std 4 [MEAN]	0.5250	0.4300		
CYL Std 4 [SD]	0.0382	0.0891		
CYL Std 4 [%CV]	7.2731	20.7199		
CYL Std 4 [%DIFF]		-14.0000		

Name	Absorbance	Concentration	Interpretation	Position	
CYL Std 5 [MEAN]	0.3520	1.1160			
CYL Std 5 [SD]	0.0509	0.3154			
CYL Std 5 [%CV]	14.4635	28.2589			
CYL Std 5 [%DIFF]		11.6000			
CYL Std 6 [MEAN]	0.2530				
CYL Std 6 [SD]	0.0085				
CYL Std 6 [%CV]	3.3539				
CYL QCS [MEAN]	0.4275	0.7250			
CYL QCS [SD]	0.0304	0.1188			
CYL QCS [%CV]	7.1124	16.3854			

Assay Curve

y = (A-D)/(1+(x/C)^B) + D
Weight: NONE
A = 1.0284
B = 0.66542
C = 0.57484
D = -0.089763
R2 coef = 0.99593
50% = 0.452



Test Report (by Request)

Test Information

Request: 8/14/2025 3:00:43 PM
Date: 8/14/2025

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
CYL Std 0	CYLINDROSPERMOPSIN	0.982 Abs	0.014 µg/L	R^2=0.98594, 95.4%		0.000	Kit:25079C
CYL Std 0	CYLINDROSPERMOPSIN	1.075 Abs [1.0285] {6.4 C	0.000 µg/L [0.007]	R^2=0.98594, 104.4%		0.000	Kit:25079C
CYL Std 1	CYLINDROSPERMOPSIN	0.882 Abs	0.050 µg/L	R^2=0.98594, 85.7%		0.050	Kit:25079C
CYL Std 1	CYLINDROSPERMOPSIN	0.862 Abs [0.8720] {1.6 C	0.058 µg/L [0.054]	R^2=0.98594, 83.7%		0.050	Kit:25079C
CYL Std 2	CYLINDROSPERMOPSIN	0.709 Abs	0.141 µg/L	R^2=0.98594, 68.9%		0.100	Kit:25079C
CYL Std 2	CYLINDROSPERMOPSIN	0.816 Abs [0.7625] {9.9 C	0.079 µg/L [0.110]	R^2=0.98594, 79.3%		0.100	Kit:25079C
CYL Std 3	CYLINDROSPERMOPSIN	0.686 Abs	0.159 µg/L	R^2=0.98594, 66.6%		0.250	Kit:25079C
CYL Std 3	CYLINDROSPERMOPSIN	0.582 Abs [0.6340] {11.6	0.267 µg/L [0.213]	R^2=0.98594, 56.5%		0.250	Kit:25079C
CYL Std 4	CYLINDROSPERMOPSIN	0.415 Abs	0.765 µg/L	R^2=0.98594, 40.3%		0.500	Kit:25079C
CYL Std 4	CYLINDROSPERMOPSIN	0.508 Abs [0.4615] {14.2	0.400 µg/L [0.583]	R^2=0.98594, 49.3%		0.500	Kit:25079C
CYL Std 5	CYLINDROSPERMOPSIN	0.365 Abs	1.290 µg/L	R^2=0.98594, 35.4%		1.000	Kit:25079C
CYL Std 5	CYLINDROSPERMOPSIN	0.307 Abs [0.3360] {12.2	> 2.000 µg/L [1.29	29.835 %Abs		1.000	Kit:25079C
CYL Std 6	CYLINDROSPERMOPSIN	0.363 Abs	1.325 µg/L	R^2=0.98594, 35.2%		2.000	Kit:25079C
CYL Std 6	CYLINDROSPERMOPSIN	0.384 Abs [0.3735] {4.0 C	1.031 µg/L [1.178]	R^2=0.98594, 37.3%		2.000	Kit:25079C
CYL QCS	CYLINDROSPERMOPSIN	0.395 Abs	0.920 µg/L	38.387 %Abs			Kit:25079C
CYL QCS	CYLINDROSPERMOPSIN	0.428 Abs [0.4115] {5.7 C	0.687 µg/L [0.804]	41.594 %Abs [39.9			Kit:25079C

Note

Signature *David Jordan*

David Jordan 8/14/2025

Test Report (by Request)

Test Information

Request: 8/14/2025 3:01:00 PM
Date: 8/14/2025

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
LRB (CYL)	CYLINDROSPERMOPSIN	0.961 Abs	0.021 µg/L	Low, 93.392 %Abs		0.050 - 2.000	Kit:250796
LRB (CYL)	CYLINDROSPERMOPSIN	0.999 Abs [0.9800] {2.7 C	0.009 µg/L [0.015]	Low, 97.085 %Abs		0.050 - 2.000	Kit:250796
LFB (CYL)	CYLINDROSPERMOPSIN	0.426 Abs	0.698 µg/L	41.399 %Abs		0.050 - 2.000	Kit:250796
LFB (CYL)	CYLINDROSPERMOPSIN	0.441 Abs [0.4335] {2.4 C	0.622 µg/L [0.660]	42.857 %Abs [42.1		0.050 - 2.000	Kit:250796
AC46146	CYLINDROSPERMOPSIN	0.967 Abs	0.019 µg/L	Low, 93.975 %Abs		0.050 - 2.000	Kit:250796
AC46146	CYLINDROSPERMOPSIN	0.951 Abs [0.9590] {1.2 C	0.024 µg/L [0.022]	Low, 92.420 %Abs		0.050 - 2.000	Kit:250796

Note

Signature

David Jordan

David Jordan 8/14/2025

Assay Information

Assay Name: CYLINDROSPERMOPSIN_
 Version: 2
 Temperature: Room Temperature
 Last Modified By: Security disabled
 Units: µg/L
 Assay Description: PN 522011
 Assay Substances: Controls:

Assay Mode: 4-Parameter Logistic Weight by:None
 Well Type: Flat bottom
 Last Modified On: 9/30/2020 10:05:41 AM
 Normal: 0.050 - 2.000
 # of decimals: 3
 Kit Lot Number: Kit:2507906661

CYL QCS
 Standards:
 CYL Std 0, Concentration = 0.000, Minimum number to use: 2
 CYL Std 1, Concentration = 0.050, Minimum number to use: 2
 CYL Std 2, Concentration = 0.100, Minimum number to use: 2
 CYL Std 3, Concentration = 0.250, Minimum number to use: 2
 CYL Std 4, Concentration = 0.500, Minimum number to use: 2
 CYL Std 5, Concentration = 1.000, Minimum number to use: 2
 CYL Std 6, Concentration = 2.000, Minimum number to use: 2
 Curve valid interval: 1 days 0 hours
 Axis Mode: Y = Abs, X = Log(Conc)

Assay Calibration

Current Calibration Status: "

"

Name	Absorbance	Concentration	Interpretation	Position
8/14/2025 3:00:43 PM				
CYL Std 0	0.982 Abs	0.014 µg/L	R^2=0.98594, 95.432 %Abs	RK1:23->A01@2
CYL Std 0	1.075 Abs [1.0285] {6.4 CV}	0.000 µg/L [0.007] {141.4 CV}	R^2=0.98594, 104.470 %Abs	RK1:23->B01@2
CYL Std 1	0.882 Abs	0.050 µg/L	R^2=0.98594, 85.714 %Abs	RK1:24->C01@2
CYL Std 1	0.862 Abs [0.8720] {1.6 CV}	0.058 µg/L [0.054] {10.5 CV}	R^2=0.98594, 83.771 %Abs	RK1:24->D01@2
CYL Std 2	0.709 Abs	0.141 µg/L	R^2=0.98594, 68.902 %Abs	RK1:25->E01@2
CYL Std 2	0.816 Abs [0.7625] {9.9 CV}	0.079 µg/L [0.110] {39.9 CV}	R^2=0.98594, 79.300 %Abs	RK1:25->F01@3
CYL Std 3	0.686 Abs	0.159 µg/L	R^2=0.98594, 66.667 %Abs	RK1:26->G01@3
CYL Std 3	0.582 Abs [0.6340] {11.6 CV}	0.267 µg/L [0.213] {35.9 CV}	R^2=0.98594, 56.560 %Abs	RK1:26->H01@3
CYL Std 4	0.415 Abs	0.765 µg/L	R^2=0.98594, 40.330 %Abs	RK1:27->A02@2
CYL Std 4	0.508 Abs [0.4615] {14.2 CV}	0.400 µg/L [0.583] {44.3 CV}	R^2=0.98594, 49.368 %Abs	RK1:27->B02@2
CYL Std 5	0.365 Abs	1.290 µg/L	R^2=0.98594, 35.471 %Abs	RK1:28->C02@2
CYL Std 5	0.307 Abs [0.3360] {12.2 CV}	> 2.000 µg/L [1.290]	29.835 %Abs	RK1:28->D02@2
CYL Std 6	0.363 Abs	1.325 µg/L	R^2=0.98594, 35.277 %Abs	RK1:29->E02@2
CYL Std 6	0.384 Abs [0.3735] {4.0 CV}	1.031 µg/L [1.178] {17.6 CV}	R^2=0.98594, 37.318 %Abs	RK1:29->F02@3

8/14/2025 3:00:43 PM				
CYL QCS	0.395 Abs	0.920 µg/L	38.387 %Abs	RK1:30->G02@3
CYL QCS	0.428 Abs [0.4115] {5.7 CV}	0.687 µg/L [0.804] {20.5 CV}	41.594 %Abs [39.990 %Abs]	RK1:30->H02@3

Statistic				
CYL Std 0 [MEAN]	1.0285	0.0070		
CYL Std 0 [SD]	0.0658	0.0099		
CYL Std 0 [%CV]	6.3939	141.4214		
CYL Std 1 [MEAN]	0.8720	0.0540		
CYL Std 1 [SD]	0.0141	0.0057		
CYL Std 1 [%CV]	1.6218	10.4757		
CYL Std 1 [%DIFF]		8.0000		
CYL Std 2 [MEAN]	0.7625	0.1100		
CYL Std 2 [SD]	0.0757	0.0438		
CYL Std 2 [%CV]	9.9227	39.8551		
CYL Std 2 [%DIFF]		10.0000		
CYL Std 3 [MEAN]	0.6340	0.2130		
CYL Std 3 [SD]	0.0735	0.0764		
CYL Std 3 [%CV]	11.5992	35.8533		
CYL Std 3 [%DIFF]		-14.8000		
CYL Std 4 [MEAN]	0.4615	0.5825		
CYL Std 4 [SD]	0.0658	0.2581		
CYL Std 4 [%CV]	14.2494	44.3080		
CYL Std 4 [%DIFF]		16.5000		

Name	Absorbance	Concentration	Interpretation	Position	
CYL Std 5 [MEAN]	0.3360				
CYL Std 5 [SD]	0.0410				
CYL Std 5 [%CV]	12.2060				
CYL Std 6 [MEAN]	0.3735	1.1780			
CYL Std 6 [SD]	0.0148	0.2079			
CYL Std 6 [%CV]	3.9757	17.6477			
CYL Std 6 [%DIFF]		-41.1000			
CYL QCS [MEAN]	0.4115	0.8035			
CYL QCS [SD]	0.0233	0.1648			
CYL QCS [%CV]	5.6706	20.5048			

Assay Curve

$y = (A-D)/(1+(x/C)^B) + D$
 Weight: NONE
 A = 1.0233
 B = 1.0951
 C = 0.18500
 D = 0.28654
 R2 coef = 0.98594
 50% = 0.385

