



Cylindrospermopsin ELISA Summary Report

Office of Water Quality - Watershed Assessment and Planning Branch

Sample #	Location	Date Collected	Date Analyzed	Conc. (ppb)
AC41208	Pokagon SP - Main Beach	8/12/2024	8/15/2024	< 0.10
AC41209	Pokagon SP - Potawatomi Inn Beach	8/12/2024	8/15/2024	< 0.10
AC41210	Chain O'Lakes SP - Sand Lake Beach	8/12/2024	8/15/2024	< 0.10
AC41211	Ouabache SP - Kunkel Lake Beach	8/12/2024	8/15/2024	< 0.10
AC41212	Potato Creek SP - Worster Lake Beach	8/13/2024	8/15/2024	< 0.10
AC41213	Mississinewa Lake - Miami SRA Beach	8/13/2024	8/15/2024	< 0.10
AC41214	Salamonie Lake - Lost Bridge West SRA Beach	8/13/2024	8/15/2024	< 0.10
AC41215	Summit Lake SP - Summit Lake Beach	8/13/2024	8/15/2024	< 0.10
AC41216	Summit Lake SP - Summit Lake Beach (Field Duplicate)	8/13/2024	8/15/2024	< 0.10
AC41217	Field Blank	8/13/2024	8/15/2024	< 0.10
AC41218	Ferdinand State Forest - Ferdinand Lake Beach	8/12/2024	8/15/2024	< 0.10
AC41219	Lincoln SP - Lake Lincoln Beach	8/12/2024	8/15/2024	1.6
AC41220	Patoka Lake - Newton Stewart SRA	8/12/2024	8/15/2024	<0.10

Test Report (by Request)

Test Information

Request: 8/15/2024 3:43:07 PM
Date: 8/15/2024

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
CYL Std 0	CYLINDROSPERMOPSIN	1.353 Abs	0.000 µg/L	R ² =0.99950, 99.63%		0.000	Kit:240520
CYL Std 0	CYLINDROSPERMOPSIN	1.362 Abs [1.3575] {0.5 C	0.000 µg/L [0.000]	R ² =0.99950, 100.2%		0.000	Kit:240520
CYL Std 1	CYLINDROSPERMOPSIN	1.127 Abs	0.036 µg/L	R ² =0.99950, 82.95%		0.050	Kit:240520
CYL Std 1	CYLINDROSPERMOPSIN	1.044 Abs [1.0855] {5.4 C	0.059 µg/L [0.048]	R ² =0.99950, 76.87%		0.050	Kit:240520
CYL Std 2	CYLINDROSPERMOPSIN	0.887 Abs	0.123 µg/L	R ² =0.99950, 65.31%		0.100	Kit:240520
CYL Std 2	CYLINDROSPERMOPSIN	0.952 Abs [0.9195] {5.0 C	0.092 µg/L [0.108]	R ² =0.99950, 70.10%		0.100	Kit:240520
CYL Std 3	CYLINDROSPERMOPSIN	0.720 Abs	0.244 µg/L	R ² =0.99950, 53.01%		0.250	Kit:240520
CYL Std 3	CYLINDROSPERMOPSIN	0.706 Abs [0.7130] {1.4 C	0.258 µg/L [0.251]	R ² =0.99950, 51.98%		0.250	Kit:240520
CYL Std 4	CYLINDROSPERMOPSIN	0.549 Abs	0.505 µg/L	R ² =0.99950, 40.42%		0.500	Kit:240520
CYL Std 4	CYLINDROSPERMOPSIN	0.558 Abs [0.5535] {1.1 C	0.485 µg/L [0.495]	R ² =0.99950, 41.05%		0.500	Kit:240520
CYL Std 5	CYLINDROSPERMOPSIN	0.421 Abs	0.971 µg/L	R ² =0.99950, 31.00%		1.000	Kit:240520
CYL Std 5	CYLINDROSPERMOPSIN	0.425 Abs [0.4230] {0.7 C	0.949 µg/L [0.960]	R ² =0.99950, 31.25%		1.000	Kit:240520
CYL Std 6	CYLINDROSPERMOPSIN	0.295 Abs	> 2.000 µg/L	21.723 %Abs		2.000	Kit:240520
CYL Std 6	CYLINDROSPERMOPSIN	0.326 Abs [0.3105] {7.1 C	1.851 µg/L [1.851]	R ² =0.99950, 24.00%		2.000	Kit:240520
CYL QCS	CYLINDROSPERMOPSIN	0.444 Abs	0.853 µg/L	32.695 %Abs			Kit:240520
CYL QCS	CYLINDROSPERMOPSIN	0.458 Abs [0.4510] {2.2 C	0.791 µg/L [0.822]	33.726 %Abs [33.2			Kit:240520

Note

Signature _____

Charles Hostetter 8/16/2024

* 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) 8/15/2024 4:33:43 PM

Test Report (by Request)

Test Information

Request: 8/15/2024 3:44:41 PM
Date: 8/15/2024

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
LRB	CYLINDROSPERMOPSIN	1.321 Abs	0.003 µg/L	Low, 97.275 %Abs		0.050 - 2.000	Kit:24052(
LRB	CYLINDROSPERMOPSIN	1.306 Abs [1.3135] {0.8 C	0.005 µg/L [0.004]	Low, 96.171 %Abs		0.050 - 2.000	Kit:24052(
LFB	CYLINDROSPERMOPSIN	0.516 Abs	0.590 µg/L	37.997 %Abs		0.050 - 2.000	Kit:24052(
LFB	CYLINDROSPERMOPSIN	0.481 Abs [0.4985] {5.0 C	0.701 µg/L [0.646]	35.420 %Abs [36.7		0.050 - 2.000	Kit:24052(
AC41208	CYLINDROSPERMOPSIN	1.239 Abs	0.014 µg/L	Low, 91.237 %Abs		0.050 - 2.000	Kit:24052(
AC41208	CYLINDROSPERMOPSIN	1.358 Abs [1.2985] {6.5 C	0.000 µg/L [0.007]	Low, 100.000 %Abs		0.050 - 2.000	Kit:24052(
AC41209	CYLINDROSPERMOPSIN	1.354 Abs	0.000 µg/L	Low, 99.705 %Abs		0.050 - 2.000	Kit:24052(
AC41209	CYLINDROSPERMOPSIN	1.361 Abs [1.3575] {0.4 C	0.000 µg/L [0.000]	Low, 100.221 %Abs		0.050 - 2.000	Kit:24052(
AC41210	CYLINDROSPERMOPSIN	1.268 Abs	0.010 µg/L	Low, 93.373 %Abs		0.050 - 2.000	Kit:24052(
AC41210	CYLINDROSPERMOPSIN	1.248 Abs [1.2580] {1.1 C	0.013 µg/L [0.012]	Low, 91.900 %Abs		0.050 - 2.000	Kit:24052(
AC41211	CYLINDROSPERMOPSIN	1.267 Abs	0.010 µg/L	Low, 93.299 %Abs		0.050 - 2.000	Kit:24052(
AC41211	CYLINDROSPERMOPSIN	1.282 Abs [1.2745] {0.8 C	0.008 µg/L [0.009]	Low, 94.404 %Abs		0.050 - 2.000	Kit:24052(
AC41211MS	CYLINDROSPERMOPSIN	0.507 Abs	0.616 µg/L	37.334 %Abs		0.050 - 2.000	Kit:24052(
AC41211MS	CYLINDROSPERMOPSIN	0.506 Abs [0.5065] {0.1 C	0.619 µg/L [0.618]	37.261 %Abs [37.2		0.050 - 2.000	Kit:24052(
AC41211MSD	CYLINDROSPERMOPSIN	0.540 Abs	0.527 µg/L	39.764 %Abs		0.050 - 2.000	Kit:24052(
AC41211MSD	CYLINDROSPERMOPSIN	0.509 Abs [0.5245] {4.2 C	0.610 µg/L [0.569]	37.482 %Abs [38.6		0.050 - 2.000	Kit:24052(
AC41212	CYLINDROSPERMOPSIN	1.275 Abs	0.009 µg/L	Low, 93.888 %Abs		0.050 - 2.000	Kit:24052(
AC41212	CYLINDROSPERMOPSIN	1.227 Abs [1.2510] {2.7 C	0.016 µg/L [0.013]	Low, 90.353 %Abs		0.050 - 2.000	Kit:24052(
AC41213	CYLINDROSPERMOPSIN	1.247 Abs	0.013 µg/L	Low, 91.826 %Abs		0.050 - 2.000	Kit:24052(
AC41213	CYLINDROSPERMOPSIN	1.234 Abs [1.2405] {0.7 C	0.015 µg/L [0.014]	Low, 90.869 %Abs		0.050 - 2.000	Kit:24052(
AC41214	CYLINDROSPERMOPSIN	1.192 Abs	0.022 µg/L	Low, 87.776 %Abs		0.050 - 2.000	Kit:24052(
AC41214	CYLINDROSPERMOPSIN	1.283 Abs [1.2375] {5.2 C	0.008 µg/L [0.015]	Low, 94.477 %Abs		0.050 - 2.000	Kit:24052(
AC41215	CYLINDROSPERMOPSIN	1.032 Abs	0.063 µg/L	75.994 %Abs		0.050 - 2.000	Kit:24052(
AC41215	CYLINDROSPERMOPSIN	1.071 Abs [1.0515] {2.6 C	0.051 µg/L [0.057]	78.866 %Abs [77.4		0.050 - 2.000	Kit:24052(
AC41216	CYLINDROSPERMOPSIN	1.040 Abs	0.060 µg/L	76.583 %Abs		0.050 - 2.000	Kit:24052(
AC41216	CYLINDROSPERMOPSIN	1.021 Abs [1.0305] {1.3 C	0.066 µg/L [0.063]	75.184 %Abs [75.8		0.050 - 2.000	Kit:24052(
AC41217	CYLINDROSPERMOPSIN	1.289 Abs	0.007 µg/L	Low, 94.919 %Abs		0.050 - 2.000	Kit:24052(
AC41217	CYLINDROSPERMOPSIN	1.311 Abs [1.3000] {1.2 C	0.004 µg/L [0.006]	Low, 96.539 %Abs		0.050 - 2.000	Kit:24052(
AC41218	CYLINDROSPERMOPSIN	1.272 Abs	0.009 µg/L	Low, 93.667 %Abs		0.050 - 2.000	Kit:24052(
AC41218	CYLINDROSPERMOPSIN	1.286 Abs [1.2790] {0.8 C	0.007 µg/L [0.008]	Low, 94.698 %Abs		0.050 - 2.000	Kit:24052(
AC41219	CYLINDROSPERMOPSIN	0.283 Abs	> 2.000 µg/L	20.839 %Abs, Out(l		0.050 - 2.000	Kit:24052(
AC41219	CYLINDROSPERMOPSIN	0.283 Abs [0.2830] {0.0 C	> 2.000 µg/L	20.839 %Abs, Out(l		0.050 - 2.000	Kit:24052(
AC41220	CYLINDROSPERMOPSIN	1.243 Abs	0.014 µg/L	Low, 91.532 %Abs		0.050 - 2.000	Kit:24052(
AC41220	CYLINDROSPERMOPSIN	1.274 Abs [1.2585] {1.7 C	0.009 µg/L [0.012]	Low, 93.814 %Abs		0.050 - 2.000	Kit:24052(

Note

Signature _____

Charles Hostetter 8/16/2024

* 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) 8/15/2024 4:33:43 PM

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:2405201466

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
8/15/2024 3:43:07 PM				
CYL Std 0	1.353 Abs	0.000 µg/L	R ² =0.99950, 99.632 %Abs	RK1:23->A01@2
CYL Std 0	1.362 Abs [1.3575] {0.5 CV}	0.000 µg/L [0.000]	R ² =0.99950, 100.295 %Abs	RK1:23->B01@2
CYL Std 1	1.127 Abs	0.036 µg/L	R ² =0.99950, 82.990 %Abs	RK1:24->C01@2
CYL Std 1	1.044 Abs [1.0855] {5.4 CV}	0.059 µg/L [0.048] {34.2 CV}	R ² =0.99950, 76.878 %Abs	RK1:24->D01@2
CYL Std 2	0.887 Abs	0.123 µg/L	R ² =0.99950, 65.317 %Abs	RK1:25->E01@2
CYL Std 2	0.952 Abs [0.9195] {5.0 CV}	0.092 µg/L [0.108] {20.4 CV}	R ² =0.99950, 70.103 %Abs	RK1:25->F01@3
CYL Std 3	0.720 Abs	0.244 µg/L	R ² =0.99950, 53.019 %Abs	RK1:26->G01@3
CYL Std 3	0.706 Abs [0.7130] {1.4 CV}	0.258 µg/L [0.251] {3.9 CV}	R ² =0.99950, 51.988 %Abs	RK1:26->H01@3
CYL Std 4	0.549 Abs	0.505 µg/L	R ² =0.99950, 40.427 %Abs	RK1:27->A02@2
CYL Std 4	0.558 Abs [0.5535] {1.1 CV}	0.485 µg/L [0.495] {2.9 CV}	R ² =0.99950, 41.090 %Abs	RK1:27->B02@2
CYL Std 5	0.421 Abs	0.971 µg/L	R ² =0.99950, 31.001 %Abs	RK1:28->C02@2
CYL Std 5	0.425 Abs [0.4230] {0.7 CV}	0.949 µg/L [0.960] {1.6 CV}	R ² =0.99950, 31.296 %Abs	RK1:28->D02@2
CYL Std 6	0.295 Abs	> 2.000 µg/L	21.723 %Abs	RK1:29->E02@2
CYL Std 6	0.326 Abs [0.3105] {7.1 CV}	1.851 µg/L [1.851]	R ² =0.99950, 24.006 %Abs	RK1:29->F02@3

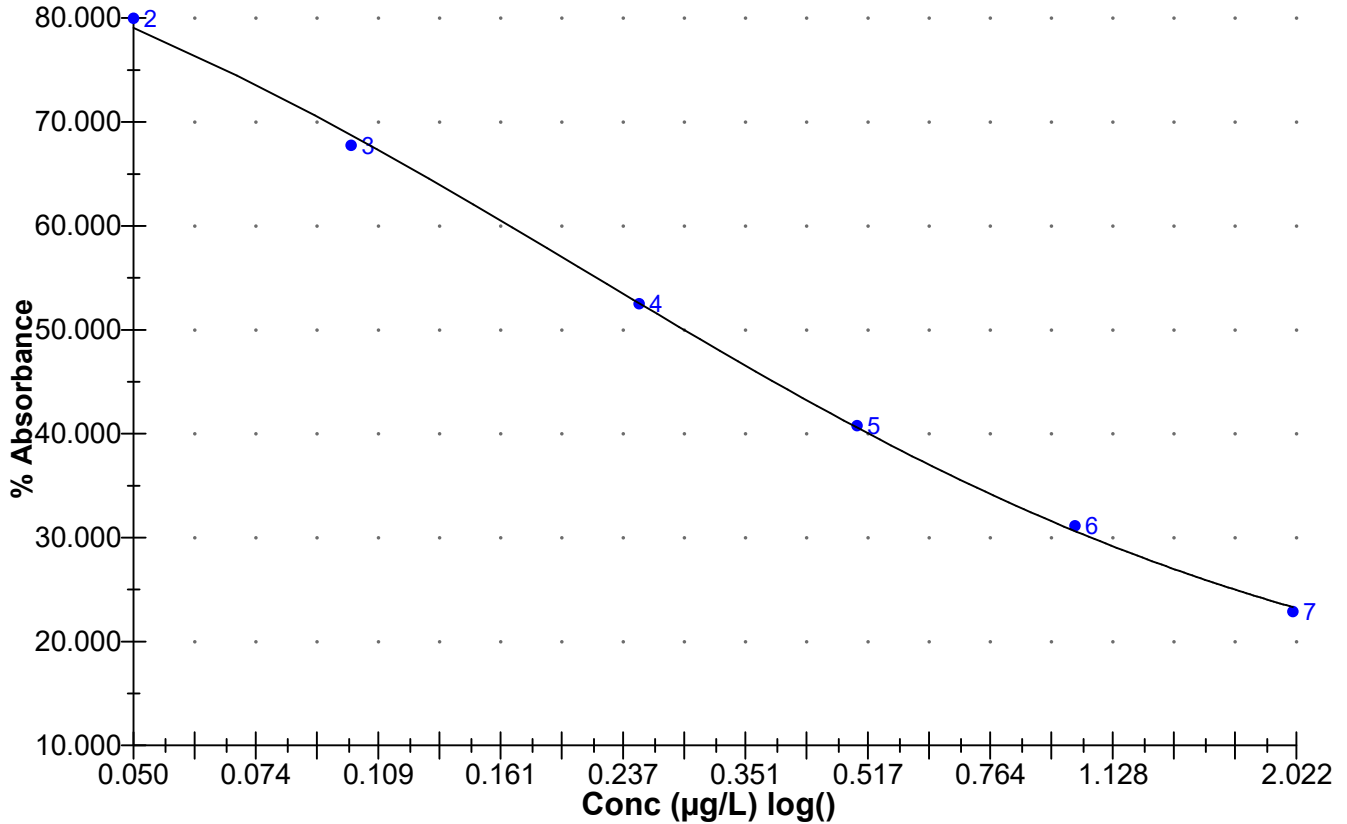
8/15/2024 3:43:07 PM				
CYL QCS	0.444 Abs	0.853 µg/L	32.695 %Abs	RK1:30->G02@3
CYL QCS	0.458 Abs [0.4510] {2.2 CV}	0.791 µg/L [0.822] {5.3 CV}	33.726 %Abs [33.211 %Abs]	RK1:30->H02@3

Statistic				
CYL Std 0 [MEAN]	1.3575	0.0000		
CYL Std 0 [SD]	0.0064	0.0000		
CYL Std 0 [%CV]	0.4688	0.0000		
CYL Std 1 [MEAN]	1.0855	0.0475		
CYL Std 1 [SD]	0.0587	0.0163		
CYL Std 1 [%CV]	5.4067	34.2389		
CYL Std 1 [%DIFF]		-5.0000		
CYL Std 2 [MEAN]	0.9195	0.1075		
CYL Std 2 [SD]	0.0460	0.0219		
CYL Std 2 [%CV]	4.9986	20.3910		
CYL Std 2 [%DIFF]		7.5000		
CYL Std 3 [MEAN]	0.7130	0.2510		
CYL Std 3 [SD]	0.0099	0.0099		
CYL Std 3 [%CV]	1.3884	3.9440		
CYL Std 3 [%DIFF]		0.4000		
CYL Std 4 [MEAN]	0.5535	0.4950		
CYL Std 4 [SD]	0.0064	0.0141		
CYL Std 4 [%CV]	1.1498	2.8570		
CYL Std 4 [%DIFF]		-1.0000		

Name	Absorbance	Concentration	Interpretation	Position
CYL Std 5 [MEAN]	0.4230	0.9600		
CYL Std 5 [SD]	0.0028	0.0156		
CYL Std 5 [%CV]	0.6687	1.6205		
CYL Std 5 [%DIFF]		-4.0000		
CYL Std 6 [MEAN]	0.3105			
CYL Std 6 [SD]	0.0219			
CYL Std 6 [%CV]	7.0597			
CYL QCS [MEAN]	0.4510	0.8220		
CYL QCS [SD]	0.0099	0.0438		
CYL QCS [%CV]	2.1950	5.3334		

Assay Curve

$y = (A-D)/(1+(x/C)^B) + D$
 Weight: NONE
 A = 1.3597
 B = 0.81234
 C = 0.21246
 D = 0.14790
 R2 coef = 0.99950
 50% = 0.288



Test Report (by Request)

Test Information

Request: 8/15/2024 5:50:58 PM
Date: 8/15/2024

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
CYL Std 0	CYLINDROSPERMOPSIN	1.299 Abs	0.001 µg/L	R^2=0.99899, 99.77		0.000	Kit:240520
CYL Std 0	CYLINDROSPERMOPSIN	1.305 Abs [1.3020] {0.3 C	0.000 µg/L [0.001]	R^2=0.99899, 100.2		0.000	Kit:240520
CYL Std 1	CYLINDROSPERMOPSIN	1.071 Abs	0.051 µg/L	R^2=0.99899, 82.25		0.050	Kit:240520
CYL Std 1	CYLINDROSPERMOPSIN	1.096 Abs [1.0835] {1.6 C	0.044 µg/L [0.048]	R^2=0.99899, 84.17		0.050	Kit:240520
CYL Std 2	CYLINDROSPERMOPSIN	0.915 Abs	0.101 µg/L	R^2=0.99899, 70.27		0.100	Kit:240520
CYL Std 2	CYLINDROSPERMOPSIN	0.916 Abs [0.9155] {0.1 C	0.101 µg/L [0.101]	R^2=0.99899, 70.35		0.100	Kit:240520
CYL Std 3	CYLINDROSPERMOPSIN	0.627 Abs	0.283 µg/L	R^2=0.99899, 48.15		0.250	Kit:240520
CYL Std 3	CYLINDROSPERMOPSIN	0.660 Abs [0.6435] {3.6 C	0.251 µg/L [0.267]	R^2=0.99899, 50.65		0.250	Kit:240520
CYL Std 4	CYLINDROSPERMOPSIN	0.494 Abs	0.471 µg/L	R^2=0.99899, 37.94		0.500	Kit:240520
CYL Std 4	CYLINDROSPERMOPSIN	0.488 Abs [0.4910] {0.9 C	0.483 µg/L [0.477]	R^2=0.99899, 37.48		0.500	Kit:240520
CYL Std 5	CYLINDROSPERMOPSIN	0.350 Abs	0.975 µg/L	R^2=0.99899, 26.88		1.000	Kit:240520
CYL Std 5	CYLINDROSPERMOPSIN	0.371 Abs [0.3605] {4.1 C	0.859 µg/L [0.917]	R^2=0.99899, 28.45		1.000	Kit:240520
CYL Std 6	CYLINDROSPERMOPSIN	0.247 Abs	> 2.000 µg/L	18.971 %Abs		2.000	Kit:240520
CYL Std 6	CYLINDROSPERMOPSIN	0.251 Abs [0.2490] {1.1 C	> 2.000 µg/L	19.278 %Abs		2.000	Kit:240520
CYL QCS	CYLINDROSPERMOPSIN	0.405 Abs	0.712 µg/L	31.106 %Abs			Kit:240520
CYL QCS	CYLINDROSPERMOPSIN	0.429 Abs [0.4170] {4.1 C	0.632 µg/L [0.672]	32.949 %Abs [32.0			Kit:240520

Note

Signature _____

Charles Hostetter 8/16/2024

* 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) 8/16/2024 8:50:05 AM

Test Report (by Request)

Test Information

Request: 8/15/2024 5:51:15 PM
 Date: 8/15/2024

Name/ID	Assay	Absorbance	Concentration	Interpretation	Note	Reference	Lot#
LRB	CYLINDROSPERMOPSIN	1.268 Abs	0.007 µg/L	Low, 97.389 %Abs		0.050 - 2.000	Kit:240520
LRB	CYLINDROSPERMOPSIN	1.273 Abs [1.2705] {0.3 C	0.006 µg/L [0.007]	Low, 97.773 %Abs		0.050 - 2.000	Kit:240520
LFB	CYLINDROSPERMOPSIN	0.452 Abs	0.567 µg/L	34.716 %Abs		0.050 - 2.000	Kit:240520
LFB	CYLINDROSPERMOPSIN	0.450 Abs [0.4510] {0.3 C	0.572 µg/L [0.570]	34.562 %Abs [34.6		0.050 - 2.000	Kit:240520
AC41219	CYLINDROSPERMOPSIN	0.583 Abs	1.660 µg/L	44.777 %Abs	MDF=5.000	0.050 - 2.000	Kit:240520
AC41219	CYLINDROSPERMOPSIN	0.596 Abs [0.5895] {1.6 C	1.580 µg/L [1.620]	45.776 %Abs [45.2	MDF=5.000	0.050 - 2.000	Kit:240520
AC41219 D	CYLINDROSPERMOPSIN	0.608 Abs	1.515 µg/L	46.697 %Abs	MDF=5.000	0.050 - 2.000	Kit:240520
AC41219 D	CYLINDROSPERMOPSIN	0.593 Abs [0.6005] {1.8 C	1.600 µg/L [1.558]	45.545 %Abs [46.1	MDF=5.000	0.050 - 2.000	Kit:240520

Note

Signature _____

Charles Hostetter 8/16/2024

* 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) 8/16/2024 8:50:05 AM

Assay Information

Assay Name: CYLINDROSPERMOPSPIN_
 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:2405201466

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
8/15/2024 5:50:58 PM				
CYL Std 0	1.299 Abs	0.001 µg/L	R ² =0.99899, 99.770 %Abs	RK1:23->A01@2
CYL Std 0	1.305 Abs [1.3020] {0.3 CV}	0.000 µg/L [0.001] {141.4 CV}	R ² =0.99899, 100.230 %Abs	RK1:23->B01@2
CYL Std 1	1.071 Abs	0.051 µg/L	R ² =0.99899, 82.258 %Abs	RK1:24->C01@2
CYL Std 1	1.096 Abs [1.0835] {1.6 CV}	0.044 µg/L [0.048] {10.4 CV}	R ² =0.99899, 84.178 %Abs	RK1:24->D01@2
CYL Std 2	0.915 Abs	0.101 µg/L	R ² =0.99899, 70.276 %Abs	RK1:25->E01@2
CYL Std 2	0.916 Abs [0.9155] {0.1 CV}	0.101 µg/L [0.101] {0.0 CV}	R ² =0.99899, 70.353 %Abs	RK1:25->F01@3
CYL Std 3	0.627 Abs	0.283 µg/L	R ² =0.99899, 48.157 %Abs	RK1:26->G01@3
CYL Std 3	0.660 Abs [0.6435] {3.6 CV}	0.251 µg/L [0.267] {8.5 CV}	R ² =0.99899, 50.691 %Abs	RK1:26->H01@3
CYL Std 4	0.494 Abs	0.471 µg/L	R ² =0.99899, 37.942 %Abs	RK1:27->A02@2
CYL Std 4	0.488 Abs [0.4910] {0.9 CV}	0.483 µg/L [0.477] {1.8 CV}	R ² =0.99899, 37.481 %Abs	RK1:27->B02@2
CYL Std 5	0.350 Abs	0.975 µg/L	R ² =0.99899, 26.882 %Abs	RK1:28->C02@2
CYL Std 5	0.371 Abs [0.3605] {4.1 CV}	0.859 µg/L [0.917] {8.9 CV}	R ² =0.99899, 28.495 %Abs	RK1:28->D02@2
CYL Std 6	0.247 Abs	> 2.000 µg/L	18.971 %Abs	RK1:29->E02@2
CYL Std 6	0.251 Abs [0.2490] {1.1 CV}	> 2.000 µg/L	19.278 %Abs	RK1:29->F02@3
+++++				
8/15/2024 5:50:58 PM				
CYL QCS	0.405 Abs	0.712 µg/L	31.106 %Abs	RK1:30->G02@3
CYL QCS	0.429 Abs [0.4170] {4.1 CV}	0.632 µg/L [0.672] {8.4 CV}	32.949 %Abs [32.028 %Abs]	RK1:30->H02@3

Statistic				
CYL Std 0 [MEAN]	1.3020	0.0005		
CYL Std 0 [SD]	0.0042	0.0007		
CYL Std 0 [%CV]	0.3259	141.4214		
CYL Std 1 [MEAN]	1.0835	0.0475		
CYL Std 1 [SD]	0.0177	0.0049		
CYL Std 1 [%CV]	1.6315	10.4205		
CYL Std 1 [%DIFF]		-5.0000		
CYL Std 2 [MEAN]	0.9155	0.1010		
CYL Std 2 [SD]	0.0007	0.0000		
CYL Std 2 [%CV]	0.0772	0.0000		
CYL Std 2 [%DIFF]		1.0000		
CYL Std 3 [MEAN]	0.6435	0.2670		
CYL Std 3 [SD]	0.0233	0.0226		
CYL Std 3 [%CV]	3.6262	8.4747		
CYL Std 3 [%DIFF]		6.8000		
CYL Std 4 [MEAN]	0.4910	0.4770		
CYL Std 4 [SD]	0.0042	0.0085		
CYL Std 4 [%CV]	0.8641	1.7789		
CYL Std 4 [%DIFF]		-4.6000		

Name	Absorbance	Concentration	Interpretation	Position
CYL Std 5 [MEAN]	0.3605	0.9170		
CYL Std 5 [SD]	0.0148	0.0820		
CYL Std 5 [%CV]	4.1191	8.9449		
CYL Std 5 [%DIFF]		-8.3000		
CYL Std 6 [MEAN]	0.2490			
CYL Std 6 [SD]	0.0028			
CYL Std 6 [%CV]	1.1359			
CYL QCS [MEAN]	0.4170	0.6720		
CYL QCS [SD]	0.0170	0.0566		
CYL QCS [%CV]	4.0697	8.4179		

Assay Curve

$y = (A-D)/(1+(x/C)^B) + D$
 Weight: NONE
 A = 1.3053
 B = 1.0103
 C = 0.19392
 D = 0.16321
 R2 coef = 0.99899
 50% = 0.259

