

CETIS Test Evaluation Report

Report Date: 17 Oct-23 15:51 (1 of 2)
Test Code/ID: CDUD1380 / 19-3913-0518

Facility: Trans Alta
Sample Site:
Sample Code: CDUD1380
Sample Date: 29 Aug-22 09:30
Sample Age: 30h (5.5 °C)
Project:

Test Name: Fathead Minnow 7-d Larval Survival and Growth Test
Organism: Pimephales promelas (fathead minnow)
Protocol: EPA/821/R-02-013 (2002)
Start Date: 30 Aug-22 15:43
End Date: 06 Sep-22 11:28
Duration: 6d 20h Organism Age: 1D

Laboratory: TestAmerica - ASL
Address: 1100 NE Circle Blvd
Suite 310
Corvallis, OR 97330
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Test Review Comments

This toxicity test is acceptable according to test review criteria. There were no significant deficiencies in sample handling, test performance, test organism response, or statistical analysis.

The sample tested was nontoxic to this test organism.

Test Reviewer

Reviewer: Chris Dudenhoeffer, WET Coordinator
Phone: 360-407-6445
Email: cdud461@ecy.wa.gov

Signature

Date

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7-day Survival Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	D	4	0.9750	0.8954	1.0550	0.9000	1.0000	0.0250	0.0500	5.13%	0.00%
6.25		4	0.9000	0.6750	1.1250	0.7000	1.0000	0.0707	0.1414	15.71%	7.69%
12.5		4	0.9750	0.8954	1.0550	0.9000	1.0000	0.0250	0.0500	5.13%	0.00%
25		4	0.9500	0.7909	1.1090	0.8000	1.0000	0.0500	0.1000	10.53%	2.56%
50		4	0.9000	0.7701	1.0300	0.8000	1.0000	0.0408	0.0817	9.07%	7.69%
100		4	0.9222	0.7681	1.0760	0.8000	1.0000	0.0484	0.0969	10.50%	5.41%

Biomass Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	D	4	1.048	0.7202	1.376	0.832	1.23	0.1031	0.2062	19.67%	0.00%
6.25		4	0.9475	0.7143	1.181	0.731	1.051	0.07327	0.1465	15.47%	9.61%
12.5		4	0.95	0.7113	1.189	0.787	1.127	0.07501	0.15	15.79%	9.37%
25		4	0.9518	0.8511	1.052	0.867	1.02	0.03161	0.06323	6.64%	9.21%
50		4	1.04	0.814	1.265	0.856	1.202	0.07094	0.1419	13.64%	0.81%
100		4	0.9493	0.7417	1.157	0.832	1.07	0.0652	0.1304	13.74%	9.44%

7-day Survival Detail

MD5: F0319DF9EBBE0BBA2DFD62D7E4330C43

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	D	1.0000	1.0000	0.9000	1.0000
6.25		0.7000	1.0000	0.9000	1.0000
12.5		1.0000	0.9000	1.0000	1.0000
25		1.0000	1.0000	1.0000	0.8000
50		0.9000	0.9000	1.0000	0.8000
100		1.0000	0.8889	1.0000	0.8000

Biomass Detail

MD5: EBEBAFEAFCFB13B349CC02CBBC561F7

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	D	0.912	1.219	0.832	1.23
6.25		0.731	1.019	0.989	1.051
12.5		1.012	0.874	1.127	0.787
25		0.963	0.957	1.02	0.867
50		1.202	1.045	1.056	0.856
100		1.054	1.07	0.832	0.841

7-day Survival Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	D	10/10	10/10	9/10	10/10
6.25		7/10	10/10	9/10	10/10
12.5		10/10	9/10	10/10	10/10
25		10/10	10/10	9/9	8/10
50		9/10	9/10	10/10	8/10
100		10/10	8/9	10/10	8/10