

Report, Order-No. 1130701
Acute Toxicity towards Fish according to OECD-Guideline 203
- Limit-Test -

Sample-No. 010/8197996

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Determination of the Toxicity of Products towards Fish

- 1 Sample designation:** „Dryflex 1“
- 1.1 Sample received on: 25-Apr-2008
- 1.2 Storage conditions: room temperature
- 2 Sponsor:** Drytech Italia s.r.l.
- 2.1 Address: Via Ravona 1H, I-20220 San Fermo, Italy
- 3 Test facility:** SGS INSTITUT FRESENIUS GmbH
- 3.1 Address: Im Maisel 14, D-65232 Taunusstein-Neuhof, Germany
- 3.2 Study director: Dr. H. Lebertz
- 4 Test method:** OECD-Guideline 203 (Fish, Acute Toxicity Test), Adopted 17.07.92
- 4.1 Test system: Zebra-fish, *Brachydanio rerio*, Aquafarm Ryba, Zeven
SGS-IF-Lot-No. 249
- 4.2 Conditions of the test: Static test during 96 hours
(7 test fish in 3 litres test solution)
- 5 Performance of the test:**

A solution of the test item was prepared as 1000 mg/L in tap-water. The preparation of the test solution with that special kind of water was necessary for physiological conditions for the fish in the test solution. The pH of the test solution was not corrected. At the nominal concentration of 1000 mg/L as well as for the control solution without any test item, 7 fish were exposed to 3 litres of test solution, this loading being ≤ 1 g fish/litre. The test solutions were aerated during the incubation period. After 24, 48, 72 and 96 h the test solutions were inspected for dead fish and analysed for pH and oxygen content.

5.1 Evaluation of results:

The LC₀ ("NOEC"-), as well as LC₅₀ and LC₁₀₀-values (concentration with total lethal effect) could not be exactly determined as there was no toxicity at all at the concentration used in the test.

6 Test Report:

Initiation of the test: 16-June-2008
Completion of the test: 20-June-2008

IF-Lot-No of the fish: 249

Nominal Concentration of the Test Substance [mg/L]	Number of dead Test Fish [%]			
	24h	48h	72h	96h
0 (Control)	0	0	0	0
1000	0	0	0	0

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Additional Determinations

Nominal Concentration of the Test Substance [mg/L] ¹⁾	Incubation-Hours	pH Value	O ₂ -Content	Temperature [°C]
Control	0	7.77	8.7	21.9
	24	8.58	8.4	21.2
	48	8.62	8.3	21.3
	72	8.52	8.3	21.1
	96	8.57	8.2	21.2
1000	0	7.58	8.9	21.6
	24	8.47	8.5	21.0
	48	8.50	8.5	21.2
	72	8.47	8.2	21.1
	96	8.54	8.4	21.3

7 Results:

	after 48 hours	after 96 hours
LC ₀ =	≥1,000 mg / L	≥1,000 mg / L
LC ₅₀ =	>1,000 mg / L	>1,000 mg / L
LC ₁₀₀ =	>1,000 mg / L	>1,000 mg / L

8 Note: Within this study a supporting chemical analysis of the test concentration using TOC determinations was performed. These determinations indicate a stability of ≥80% within the 96h of incubation period.

9 Summary:

The test item was tested under static conditions for toxicity towards fish according to OECD-Test Guideline 203. For this purpose the animals were exposed to a test solution with 1000 mg of the test item per litre of tap water. Under the conditions used for this study an LC₅₀-value after 96h could not be determined und thus is considered to be >1,000 mg / L.

SGS INSTITUT FRESENIUS GmbH
- CTS Bioanalytics -
Taunusstein, 20-June-2008

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Dr. R. G. Weyandt

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Dr. H. Lebertz