SUMMARY REPORT *

Aqueous aerobic biodegradation test on CF-7 according to OECD 301F (1992)

Description of the product:
'Control Fire' fire extinguishing sprays contain the product named CF-7.

Sponsor:	C-Fire Frank Van Dyckelaan 17 9140 Temse BELGIUM
Testing facility:	Normec OWS
Reference item	Sodium acetate
Test duration	28 days
Result	**99,8% or rounded 100% biodegradable**

The test was performed in accordance with the OECD principles of Good Laboratory Practices (GLP).
A quality control was executed on June 1, 2023. This quality control ensures that the final report is complete and accurately reflects the conduct and raw data of the study.

Summary and conclusions

The aerobic biodegradation of test item CF-7 was evaluated in an aqueous aerobic biodegradation test using sludge inoculum without any pre-adaptation to the test item according to OECD 301F (1992). The test was performed in duplicate and the incubation temperature was continuously kept at 21°C ± 1°C. The total test duration was 28 days.

According to the OECD 301F (1992) guideline, the test is considered valid if a) the degree of biodegradation of the reference material is > 60% after 14 days, and b) the oxygen consumption of the controls is not exceeding 60 mg O_2/l after 28 days. After 4 days Sodium acetate was already degraded by 64.7%± 0.4% (on O_2 consumption). The total O_2 consumption of the controls after 28 days of testing was 17.0 ± 2.8 mg O_2/l medium. Both requirements were fulfilled.

As evaluated based on oxygen consumption, the biodegradation of test item CF-7 started after approximately one day and proceeded at a good rate. After 9 days the test material was already degraded by 62.9%. The biodegradation rate gradually slowed down and at the end of the test (28 days) a **biodegradation of 99.8%** ± 2.4% was measured.

From these results it can be concluded that test item CF-7 fulfilled the 60% biodegradability requirement within 28 days of testing under the given aerobic conditions. Moreover, as the 60% pass level was reached with a 10-day window, **test item CF-7 can be considered readily biodegradable.**

* This report is an extract of the final report with reference F_209_Rev03 d.d. May 16, 2023.