# Statement of Results

**Title of Study:** Determination of short-term toxicity of Hydrogel BM048 towards *Daphnia magna* STRAUS according to OECD 202 and EU C.2

**Sponsor:**

Anogas

Frankenerf 42

7031 WP WEHL, The Netherlands

**Test Facility:**

LAUS GmbH

Auf der Schafweide 20

67489 Kirrweiler, Germany

**Monitor:**

Materials Factory

Irene Hovens

Hurksestraat 12

5652 AJ Eindhoven, The Netherlands

**Study Director:**

Manfred Muckle

**Findings and Results:**

One valid experiment was performed.

The study was performed as a three-stage limit test using 3 concentrations containing 1, 10 and 100 mg/L (nominal concentration). For each test concentration and the blank control, 20 daphnia were exposed to the test item for 48 hours in a static test system. After 24 and 48 hours, the immobilised daphnia were counted.

Only the highest tested concentration (100 mg/L) showed a toxicity of 40 % immobilisation. None of the animals was immobilised in the lower tested concentrations (1 and 10 mg/L) and one of the animals was immobilised in the blank control, which can be stated as not significant.

3,5-Dichlorphenol ($C_6H_4Cl_2O$, CAS No. 591-35-5) was used as positive control in a current reference study to assure that the test conditions are reliable.

The following result was determined for the test item Hydrogel BM048 (species: *Daphnia magna*).

**48h-$EC_{50}$ > 100 mg/L (nominal)**

For the accuracy of the data above:

13. Dec. 2022

Date Anette Rudolf, Head of Test Facility LAUS GmbH