

METHOD STATEMENT

Determinand:

Crustacean toxicity tests

Matrix:

Sample Type: chemicals, solid waste elutriates or effluents released in freshwater, estuarine or marine environments

Principle of Method:

A ½ hour, 2 hour and 24-hour LC₅₀ bioassay is performed in a multiwell test plate using instar II-III larvae of the fairy shrimp *Thamnocephalus platyurus*, which are hatched from cysts.

Interferences:

Highly coloured and turbid samples may not be suitable for this method as they may interfere with reading of the test plate

Performance of Method:

Range of Application:

The results are reported as LC₅₀

Results should be reported according to guidance of this method.

Limit of Detection:

The limit of detection has not been calculated for this method

Uncertainty of measurement:

The uncertainty of measurement cannot be calculated for this method.

References:

Thamnotoxkit F™ Crustacean Toxicity Screening Test for Freshwater, standard operating procedure. MicroBio Tests Inc.

Farokh J. Master (2003). [Diseases of Skin](#). New Delhi: B Jain Pub Pvt Ltd. p. 223.

["Potassium dichromate MSDS"](#). JT Baker.

