

US EPA ARCHIVE DOCUMENT

113501

12-25-78

FILES

STUDY VALIDATION

Data Review Number: ES-G-1

Test: Fish Acute 96-hr LC₅₀ (coldwater)

Species: Rainbow trout (Salmo gairdneri)

Results:

96-hr. LC₅₀ = 130 mg/l

95% confidence interval = 100-160 mg/l

NEL reported as 45 mg/l

Chemical: CGA-48988 technical (94.4% a.i.)
(Ridomil)

Title: Acute Toxicity of CGA-48988 Technical to Rainbow Trout
(Salmo gairdneri). Report # BW-78-12-376

Accession No: 236854

Study Date: 21-25 December 1978

Researcher: Robert J. Buccafusco, EG&G Bionomics
Aquatic Toxicology Laboratory.

Registrant: CIBA-GEIGY Corporation

Validation Category: Core

Category Repairability: N/A

Study Abstract:

The researcher used acceptable protocol throughout the study. Study protocol was patterned after the protocol published by EPA (EPA-660/3-75-009) in April 1975. The water temperature during the study is questionable and will be discussed later. Ten fish were used per dose level. Each dose was maintained in a 19.6 l glass jar containing 15 l of test solution. Acetone was used as a solvent with a maximum of 7.5 ml used at the highest level. The pH and DO of three concentrations and two controls were reported. The parameters reported were within normal ranges. (A DO problem was not observed in this test.)

Test temperatures of the control jar were reported to range from 12-13°C during exposure. The report indicated that solution temperatures were controlled by a system designed to maintain temperatures at 12 ± 1°C, however, there was no

statement to the fact that the temperatures were maintained as implied.

Other than the unanswered temperature question, the study appears to be a valid study which was patterned after acceptable protocols.