



Original thinking... applied

REACH Chemical Safety Testing Services

Ensure Compliance with Confidence

*Partner with Fera Science Ltd for trusted support
for every step of your regulatory journey.*



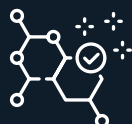
WHAT IS EU REACH?

REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) is a key European regulation (EC 1907/2006) designed to protect human health and the environment from chemical risks. It applies to all substances manufactured, used, or imported into the European Economic Area (EEA) in quantities over 1 tonne per year. Thousands of chemicals are already registered under REACH, and regulators are actively evaluating submitted data - authorising safe use or requesting further testing to fill data gaps.

→ HOW FERA CAN HELP

We offer expert support to help you meet REACH requirements efficiently and effectively. Our Good Laboratory Practice (GLP) compliant services deliver reliable data to keep your submissions on track.

OUR TESTING CAPABILITIES INCLUDE:



PRODUCT CHARACTERISATION AND PHYSICAL CHEMISTRY



AQUATIC AND TERRESTRIAL ECOTOXICOLOGY



BIODEGRADATION STUDIES



HIGHER-TIER ENVIRONMENTAL FATE SIMULATION TESTING

Our team is experienced in working with the most challenging products, including poorly water-soluble, volatile, and unstable chemicals. We develop methods specifically for UVCBs and complex mixtures, using OECD 23 guidance to ensure the best possible outcomes for regulatory success.

→ TAILORED STUDY DESIGNS THAT WORK FOR YOU

Each REACH registration is unique. Whether it is a multi-constituent test material or a novel synthetic substance with limited historical data, our team collaborates with you to design cost-effective, scientifically sound testing strategies.

→ EXPANDING CAPABILITIES FOR EMERGING NEEDS

Fera is actively expanding services to support new hazard classes included in the recent CLP update, such as:

- + Endocrine disruption
- + Persistent, Bioaccumulative, Mobile and Toxic (PBT/PMT/vPvB/vPvM)

Our experienced team is here to guide you through the most complex testing challenges with tailored solutions and regulatory insight.





REACH DATA REQUIREMENTS ACCORDING TO PRODUCTION / IMPORT TONNAGES IN METRIC TONS (T)

STUDY	OECD	ANNEX VII 1-10 TPA	ANNEX VIII 10-100 TPA	ANNEX IX 100-1,000 TPA	ANNEX X ≥1,000 TPA
PHYSICAL AND CHEMICAL PROPERTIES					
Water Solubility	OECD 105	✓	✓	✓	✓
Partition Coefficient (n-octanol/water): Shake Flask Method	OECD 107	✓	✓	✓	✓
Partition Coefficient (n-octanol/water), HPLC Method	OECD 117	✓	✓	✓	✓
ECOTOXICOLOGY					
Daphnia sp. acute immobilisation test	OECD 202	✓	✓	✓	✓
Freshwater algae and cyanobacteria, growth inhibition test	OECD 201	✓	✓	✓	✓
Fish, acute toxicity test	OECD 203		✓	✓	✓
Fish Embryo Acute Toxicity (FET) Test	OECD 236		✓	✓	✓
Activated Sludge, Respiration Inhibition Test	OECD 209		✓	✓	✓
Daphnia magna Reproduction Test	OECD 211			✓	✓
Fish, Early-life Stage Toxicity Test	OECD 210			✓	✓
Fish Short Term Reproduction (FSTRA)	OECD 229	TBC	TBC	TBC	TBC
21 Dat Fish Screening Assay	OECD 230	TBC	TBC	TBC	TBC
Amphibian Metamorphosis Assay (AMA)	OECD 231	TBC	TBC	TBC	TBC
The Larval Amphibian Growth and Development Assay (LAGDA)	OECD 241	TBC	TBC	TBC	TBC
Fish Sexual Development	OECD 234	TBC	TBC	TBC	TBC
DEGRADATION					
Ready Biodegradability	OECD 301	✓	✓	✓	✓
Hydrolysis as a Function of pH	OECD 111		✓	✓	✓
Aerobic Mineralisation in Surface Water	OECD 309			✓	✓
Aerobic and Anaerobic Transformation in Soil	OECD 307			✓	✓
Aerobic and Anaerobic Transformation in Aquatic Sediment Systems	OECD 308			✓	✓
Identification of metabolites (degradation products)				✓	✓
FATE AND BEHAVIOUR IN THE ENVIRONMENT					
Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC)	OECD 121		✓	✓	✓
Bioaccumulation in Fish: Aqueous and Dietary Exposure	OECD 305			✓	✓
Adsorption - Desorption using a Batch Equilibrium Method	OECD 106			✓	✓
EFFECTS ON TERRESTRIAL ORGANISMS					
Earthworm, Acute Toxicity Tests	OECD 207			✓	✓
Soil Microorganisms: Nitrogen Transformation Test	OECD 216			✓	✓
Terrestrial Plant Test: Seedling Emergence and Seedling Growth Test	OECD 208			✓	✓
Terrestrial Plant Test: Vegetative Vigour Test	OECD 227			✓	✓
Earthworm Reproduction Test	OECD 222				✓
Chironomid Toxicity Test Using Spiked Sediment	OECD 218				✓
Chironomid Toxicity Test Using Spiked Water	OECD 219				✓