



DHI SOLUTION

ECOTOXICOLOGICAL TEST METHODS

Focused and effective testing strategies according to the regulations

DHI offers all the ecotoxicological tests and studies required by REACH, the OSPAR Commission and the European Medicines Agency (EMA). Our laboratory is accredited by the Danish Accreditation and Metrology Fund (DANAK) and authorized to carry out studies in compliance with the OECD Principles of Good Laboratory Practice (GLP).

	TEST	METHOD
Aquatic toxicity tests		
Freshwater species	Fish: Static acute toxicity test	OECD 203 / ISO 7346-1
	Fish: Semi-static acute toxicity test	OECD 203 / ISO 7346-2
	Fish: Flow-through acute toxicity test,	OECD 203 / ISO 7346-3
	Fish: Prolonged toxicity test - 14-day study	OECD 204
	Fish: Early-life stage toxicity test	OECD 210
	Fish: Juvenile growth test	OECD 215
	Fish: Short-term toxicity test on embryo and larval stages	OECD 212 / ISO 12890
	Bioconcentration: Flow-through fish test (28 days uptake/ 14 days depuration)	OECD 305
	Bioconcentration: Flow-through fish test (60 days uptake/ 30 days depuration)	OECD 305
	Fish: Endocrine effects, fish sexual development test (FSDT)	OECD 234
	Crustacean: Static acute toxicity test (<i>Daphnia magna</i>)	OECD 202 / ISO 6341
	Crustacean: Semi-static acute toxicity test (<i>Daphnia magna</i>)	OECD 202 / ISO 6341
	Crustacean: Reproduction test (<i>Daphnia magna</i>)	OECD 211 / ISO 10706
	Alga: Growth inhibition test (<i>Pseudokirchneriella subcapitata</i>)	OECD 201 / ISO 8692
	Duckweed: Growth inhibition test (<i>Lemna minor</i>)	OECD 221 / ISO 20079
Midge: Sediment-water toxicity (<i>Chironomus riparius</i>)	OECD 218 or 219	
Marine species	Alga: Growth inhibition test (<i>Skeletonema costatum</i>)	ISO 10253
	Crustacean: Static acute toxicity test (<i>Acartia tonsa</i>)	ISO 14669
	Crustacean: Semi-static acute toxicity test (<i>Acartia tonsa</i>)	ISO 14669
	Crustacean: Early-life stage toxicity test (<i>Acartia tonsa</i>)	ISO CD 16778:2012
	Fish: Static acute toxicity test	OSPAR 2006
	Fish: Semi-static acute toxicity test	OSPAR 2006
	Fish: Short-term toxicity test on embryo and larval stages	OECD 212 / ISO 12890
	Sediment re-worker: Sediment bioassay (<i>Corophium sp.</i>)	ISO 16712 / OSPAR 2006
Microorganisms	Respiration inhibition test (activated sludge)	OECD 209 / ISO 8192
	Nitrification inhibition test (activated sludge)	ISO 9509
	Microtox® test (<i>Vibrio fischeri</i>)	ISO 11348-3
	Nitrogen or carbon transformation test	OECD 216 or OECD 217
	Nitrogen or carbon transformation test	OECD 216 or OECD 217
	Nitrification inhibition test (soil organisms)	ISO 15685

	TEST	METHOD
Terrestrial toxicity tests		
Soil organisms	Collembola: Acute toxicity test (<i>Folsomia candida</i>)	ISO 11267
	Collembola: Inhibition of reproduction (<i>Folsomia candida</i>)	ISO 11267 / OECD 232
	Earthworm: Acute toxicity test (<i>Eisenia fetida</i>)	OECD 207 / ISO 11268-1
	Earthworm: Reproduction test (<i>Eisenia fetida</i>)	OECD 222
Plants (by sub-contractor)	Seedling emergence, screening test (lettuce)	ISO 17126
	Seedling emergence and seedling growth test	OECD 208
Environmental fate studies		
	Ready biodegradability: DOC die-away test	OECD 301A
	Ready biodegradability: Modified OECD screening test	OECD 301E / EN ISO 7827
	Ready biodegradability: Closed bottle test	OECD 301D / EN ISO 10707
	Ready biodegradability: Manometric respirometry test	OECD 301F
	Hydrolysis as a function pH – pilot study (sub-contractor)	OECD 111
	Biodegradation: Zahn-Wellens test	OECD 302B
	Biodegradation: Activated sludge respiration inhibition test	OECD 209 / ISO 8192
	Anaerobic biodegradation	OECD 311 / ISO 11734
	Biodegradation in seawater	OECD 306
	Aerobic and anaerobic transformation in soil	OECD 307
	Aerobic and anaerobic transformation in aquatic sediment systems (aerobic/ anaerobic)	OECD 308
	Aerobic and anaerobic transformation in aquatic sediment systems (anaerobic)	OECD 308
	Aerobic mineralisation in surface water	OECD 309
	Adsorption-desorption test	OECD 106

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