









Recomn	nended test h	attery – tox	icity crite	Umwelt Umwelt Um Bundes Bundes Bu Amt Amt Amt Ant		
	Test organisms	Reference	Endpoint	Toxicity criteria		
Eluate testing	Luminescent bacteria	ISO 11348-3(2007)	Luminescence	EC50 (30min) Limit test design: 30%		
	Algae	ISO 8692 (2004a)	Growth	EC20 (72h) Limit test design: 25%		
	Daphnids	ISO 6341 (1996)	Immobilisation	EC50 (48h) Limit test design: 20%		
	Salmonella typhimurium	ISO 13829 (2000)	Gen induction	Dmin ≥ 1,5 (24h)		
Solid waste testing	Brassica rapa	ISO 11269-2 (2004b)	Growth	EC50 (14d) Limit test design: 30%		
	Eisenia fetida/ andrei	ISO 17512-1 (2007)	Behaviour	EC50 (48h) Limit test design: 40%		
	Arthrobacter globiformis	ISO 10871 (2008)	Dehydrogenase	EC50 (6h) Limit test design: 30%		

Evaluation	of the rec	ommen	ded test b	attery		Umwelt Bundes Amt For Mental and Others	Jmwelt Um Bundes Amt o Amt
	Luminescent bacteria	Daphnia acute tox.	Algal growth inhibition	Umu geno- toxicity	Arthrobac- ter contact	Eisenia avoidance	Plant growth
	ISO 11348-3 (2007)	ISO 6341 (1996)	ISO 8692 (2004a)	ISO 13829 (2000)	ISO 10871 (2008)	ISO 17512-1 (2007)	ISO 11269-2 (2004b)
Practicability	++	++	+++	+	+++	+++	++
Level of experience	+++	+++	+++	++	+	++	+++
Reproducibility*	+++	+++	++	++	+++	++	+++
Sensitivity	++	++	+++	+	+++	+++	++
Validity **	+++	+++	++	+++	+++	+++	+++
Duration	1 h	48 h	72 h	24 h	6 h	48 h	14 d
Costs (€)	150 - 200	300 - 400	400 - 600	100 - 200	200 - 300	1400 - 1600	1600 - 180





