

Table 1 Lethal concentration (LC₅₀ and LCD₉₀) of methanol extracts of *U. massaica* plant parts against different aquatic stages of *An. gambiae* mosquitoes

Life stage	Plant part	LC ₅₀			LC ₉₀			Chi-Square Tests		
		Estimate	95% confidence limit for log ₁₀ (Concentration)		Estimate	95% confidence limit for log ₁₀ (Concentration)		χ^2	df	<i>p</i>
			Lower	Upper		Lower	Upper			
Eggs	Leaves	4.86 ^a	0.421	0.859	48.39 ^a	1.458	2.102	269.125	22	0.000
	Stem	4.56 ^a	0.598	0.713	19.48 ^a	1.22	1.37	49.282	22	0.001
	Roots	11.91 ^a	0.915	1.223	50.69 ^a	2.325	3.365	98.535	22	0.000
L3	Leaves	1.86 ^a	2.203	0.571	9.05 ^a	0.681	2.392	901.188	22	0.000
	Stem	-	-	-	-	-	-	-	-	-
	Roots	3.06 ^a	0.450	0.516	5.64 ^a	0.663	0.748	46.961	22	0.001
Pupae	Leaves	5.22 ^a	0.675	0.763	8.61 ^a	0.877	1.019	129.743	22	0.000
	Stem	6.12 ^a	0.686	0.909	9.33 ^a	0.862	1.241	704.080	22	0.000
	Root	12.46 ^a	0.460	1.606	21.02 ^a	2.934	13.503	175.395	22	0.000

Notes: df = degree of freedom; χ^2 = the chi-square factor; *P* = probability for the level of significance. *P* was taken as significant at *p*<0.05; LC = refers to lethal concentration, LC₅₀ and LC₉₀ concentration that kills 50% and 90% of exposed experimental aquatic stage; L3 = third larval instar. Rows having LC estimates superscripted with letter “a” denotes no significant influence of dose on exposed *An. gambiae* aquatic stages