

Table 1 Main fatty acid composition (% of total fatty acids) of catfish larvae fed on three experimental diets

Fatty acid	Catfish larvae fed on experimental diets		
	<i>Artemia</i> +Cyclopoids	Cyclopoids	<i>Artemia</i>
14:0	0.72 ±0.02	0.63 ±0.03	0.59 ±0.0
Iso15:0	0.48 ±0.03	0.59 ±0.01	0.37 ±0.03
15:0	0.86 ±0.01	0.82 ±0.02	0.80 ±0.16
16:0	19.30 ±0.31	20.36 ±0.04	18.39 ±0.73
Iso 17:0	0.39 ±0.02	0.34 ±0.04	N.D
17:0	1.15 ±0.06	1.54 ±0.02	0.92 ±0.04
18:0	13.68 ±0.11	15.54 ±0.03	14.11 ±0.45
∑SFAs	36.59 ±0.55	39.83 ±0.19	35.18 ±1.41
16:1n7	0.59 ±0.01	0.36 ±0.06	0.48 ±0.06
16:1n5	3.44 ±0.09	0.66 ±0.02	3.35 ±0.08
16:1n4	1.02 ±0.02	0.91 ±0.06	0.88 ±0.05
18:1n9	11.55 ±0.15	8.39 ±0.12	11.49 ±0.05
18:1n7	4.97 ±0.01	2.24 ±0.04	5.10 ±0.05
∑MUFAs	21.57 ±0.28	12.55 ±0.31	21.30 ±0.3
18:2n6 (LA)	6.73 ±0.09	5.37 ±0.03	6.50 ±0.37
18:3n3 (LNA)	2.11 ±0.07	1.62 ±0.01	1.45 ±0.19
20:2n6	1.06 ±0.0	1.28 ±0.0	1.13 ±0.05
20:3n6	2.11 ±0.13	2.36 ±0.01	1.98 ±0.15
20:4n6 (AA)	6.24 ±0.01	7.19 ±0.13	6.20 ±0.37
20:5n3 (EPA)	4.29 ±0.18	2.80 ±0.08	3.71 ±0.01
22:5n6	1.17 ±0.0	1.87 ±0.04	0.93 ±0.14
22:5n3	1.29 ±0.10	1.18 ±0.03	1.36 ±0.02
22:6n3 (DHA)	15.96 ±0.33	22.15 ±0.05	14.58 ±0.86
∑PUFAs	40.95 ±0.91	45.83 ±0.38	37.85 ±2.14
DHA/EPA	3.70	7.90	3.90
AA/EPA	1.50	1.60	1.70
DHA/AA	2.60	3.10	2.40

Note: N.D: Not Detected; ∑SFAs: Sum of Saturated Fatty Acids; ∑MUFAs: Sum of Monounsaturated Fatty Acids; ∑PUFAs: Sum of Polyunsaturated Fatty Acids; DHA: Docosahexaenoic Acid; EPA: Eicosapentaenoic Acid; AA: Arachidonic Acid; LA: Linoleic Acid; LNA: Linolenic acid