

Table 1 Fatty acid profile of *Xanthoceras sorbifolium* oil compared with other vegetable oils (Adapted from Yao et al., 2013)

Fatty acid (n:m) <sup>a</sup>	<i>Xanthoceras sorbifolium</i>	Palm	Sunflower	Soybean	Jatropha	Cottonseed
Lauric (12:0)	-	0.1	-	-	-	-
Myristic (14:0)	-	0.7	-	-	-	1.2
Palmitic (16:0)	5.2	36.7	6.2	11.3	14.1	29
Palmitoleic (16:1)	-	0.1	0.1	0.1	0.5	0.8
Margaric (17:0)	-	-	-	-	-	0.2
Stearic (18:0)	2.2	6.6	3.7	3.6	6.8	5.9
Oleic (18:1)	28.6	46.1	25.2	24.9	38.6	9.8
Linoleic (18:2)	43.3	8.6	63.1	53	36	50.2
Linolenic (18:3)	0.5	0.3	0.2	6.1	0.2	-
Arachidic (20:0)	0.4	0.4	0.3	0.3	0.2	0.8
Gadoleic (20:1)	6.8	0.2	0.2	0.3	-	0.4
Heneicosanoic (21:0)	0.4	-	-	-	-	-
Behenic (22:0)	0.6	0.1	0.7	-	-	0.5
Erucic (22:1)	8.7	-	0.1	0.3	-	1.1
Tricosanoic (23:0)	-	-	-	-	-	0.1
Lignoceric (24:0)	0.3	0.1	0.2	0.1	3.6	0.2
Nervonic (24:1)	3	-	-	-	-	0.1

Note: <sup>a</sup> n:m=no. of carbon atoms: unsaturated centers