



Supplementary Material

Effects of Dietary Supplementation of Linseed Oil on Egg Quality and Monounsaturated Fatty Acid Content of *Gallus domesticus* Eggs

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Supplementary Table I. Main reagents and instruments used in this study.

Reagents and instruments	Suppliers / Companies
37 components fatty acid methyl ester mix and triundecanoic / hendecanoic (C11:0)	US Nu-Chek Company
petroleum ether (boiling range 30-60°C), methanol (chromatographic pure), and hydrochloric acid	Tianjin Fengchuan Chemical Reagent Technologies Co., Ltd., China.
n-hexane (chromatographic pure)	Tianjin Jinke Fine Chemical Research Institute
15% boron trifluoride methanol, and anhydrous ether (analytical pure)	Tianjin Li'anlong Bohua Medicine Co., Ltd., China.
pyrogallol acid (analytical pure)	Tianjin Guangfu Fine Chemical Research Institute, China.
anhydrous sodium sulfate (analytical pure)	Tianjin Bodi Chemical Co., Ltd., China.
95% ethanol (analytical pure)	Tianjin Fuyu Fine Chemical Co., Ltd., China.
gas chromatograph 7890B	US Agilent Company
capillary chromatographic column SP2560 and thermostatic water bath	Shanghai Zhicheng Analytical Instrument Manufacturing Co., Ltd., China.
vertical mixer (JB/T318-2007)	Guangxin Hardware Factory, Baodi District, Tianjin, China.

Supplementary Table II. The detailed parameters of Gas chromatography.

Items	Details
Gas chromatographic column	SP2560 (100 m×250µm×0.2 µm)
Chromatographic column flow	1mL/min
Fluid phase and velocity	He; H ₂ : 30 mL/min
Sample size	5 µL
The tail blowing volume	25mL/min
Detector	FID

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0030-9923/2022/0005-2077 \$ 9.00/0



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