



Supplementary Material

Effects of Dietary Addition of *Perilla frutescens* Seeds on the Content of Polyunsaturated Fatty Acids in Egg Yolk of *Gallus domesticus*

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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 triundecanoin / hendecanoin (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.
Pyrogalllic 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.- Gas chromatography instrument parameters.

Instrument parameters	Numerical value
Chromatographic column flow	1 mL/min
Carrier gas	He
Detector temperature	280 °C
Make-up gas rate	25 mL/min
Gas chromatographic column	SP2560 (100m×250µm×0.2 µm)
Hydrogen flow	30 mL/min
Split ratio	10:1
Column oven temperature	250°C
Sample size	5 µL

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