Supporting Information

Bio-Paraffin from Soybean Oil as Eco-friendly Alternative to Mineral Waxes

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Table S1: TAG composition detailed (a) and expressed in term of S_3, S_2U, SU_2 and U_3 content (b) for the neat Soybean oil used.

a)

TAG	%
PSP	-
POP	0.9
PLP	2.5
PSS	0.0
POS	0.7
POO	3.5
PLS	0.8
PLO	9.3
PLL	10.7
PLnL	1.6
SSS	1.1
SOS	0.4
SSO	-
SOO	1.8
OOO	4.3
SLO	4.4
OOL	10.0
SLL	3.0
OLL	21.1
LLL	19.5
LLln	4.4

b)

TAG	%
S_3	1.1
S_2U	5.3
SU_2	34.3
U_3	59.4

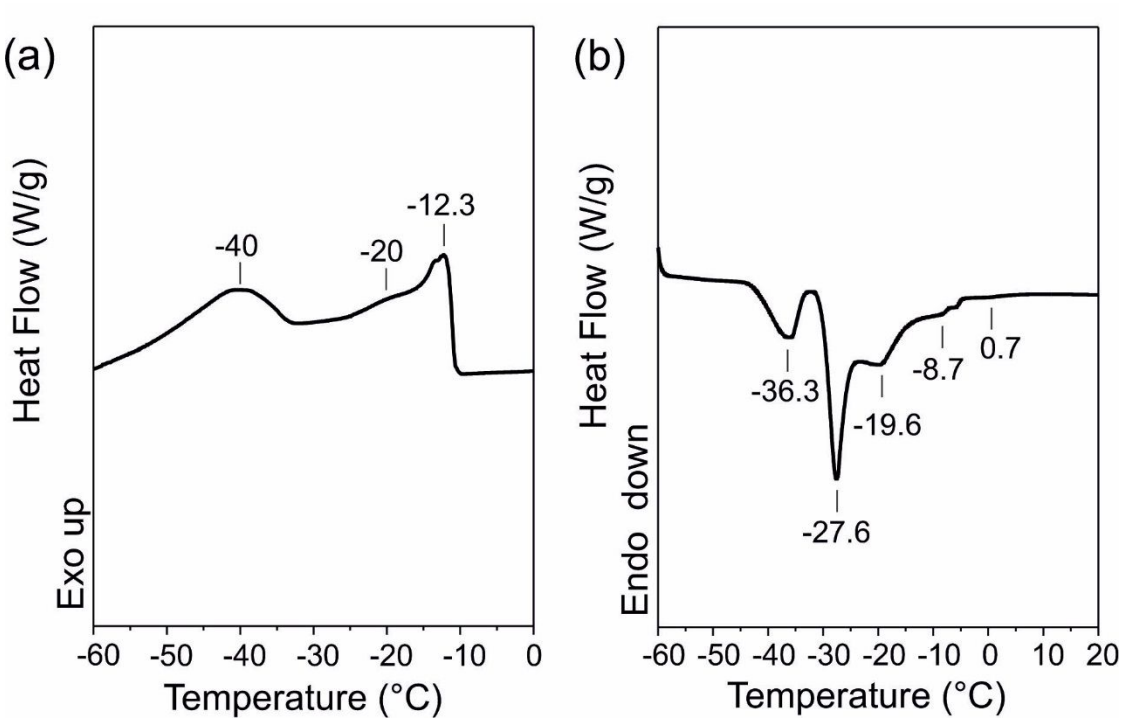

Figure S1: DSC (a) crystallization and (b) melting curves of soybean oil

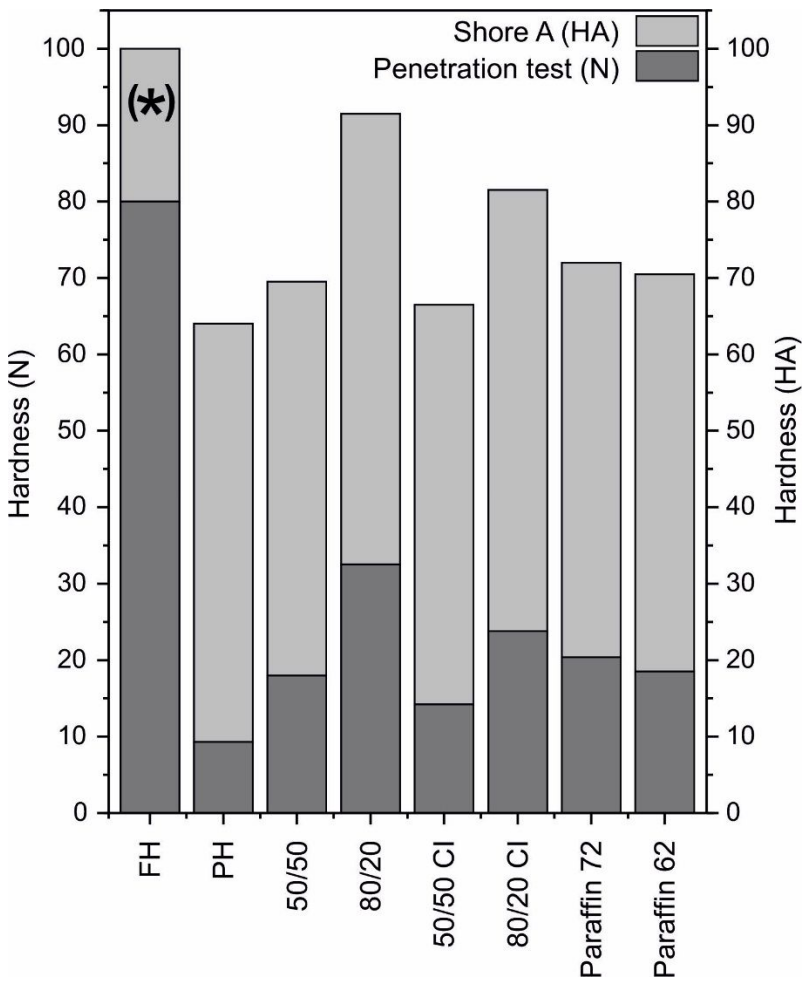

Figure S2: Comparison between the maximum value of load in textural test (as indication of hardness) and shore A hardness

(*) Higher than 100 HA

Type A: Indenting foot is hardened steel rod 1.1 mm – 1.4 mm diameter, with a truncated 35° cone, 0.79 mm diameter. Higher numbers on the scale (0-100 HA) indicate a greater resistance to indentation and thus harder materials.