

Appendix 1. ^1H chemical shifts for the compounds identified in Popper products

Compound	^1H Chemical shift (number of H, splitting pattern)
n-butyl nitrite ^a	5.45 (2H, br) 2.49 (2H, quin) 2.19 (2H, sex) 1.73 (3H, t)
Isobutyl nitrite ^a	5.26 (2H, br) 2.77 (1H, non) 1.73 (6H, d)
Isobutyl alcohol	3.97 (2H, d) 2.50 (1H, non) 1.74 (6H, d)
Amyl nitrite	5.28 (2H, br) 2.34 (2H, quin) 1.97 (2H, quin) 1.97 (2H, quin) 1.52 (3H, t)
Amyl alcohol	4.19 (2H, t) 2.17 (2H, quin) 1.97 (2H, quin) 1.97 (2H, quin) 1.52 (3H, t)
2-methylbutyl nitrite	5.20 (1H, br) 5.13 (1H, br) 2.39 (1H, sex) 2.07 (1H, quin) 1.85 (1H, quin) 1.56 (3H, d) 1.56 (3H, t)
2-methylbutyl alcohol	4.07 (1H, dd) 3.98 (1H, dd) 2.13 (1H, sex) 2.10 (1H, quin) 1.74 (1H, quin) 1.52 (3H, d) 1.52 (3H, t)
Isopropyl nitrite	6.32 (1H, sep) 2.08 (6H, d)
Isopropyl alcohol	4.67 (1H, sep) 1.87 (6H, d)

^aChemical shifts obtained from standard, purchased from Sigma.

Appendix 2: ^1H chemical shifts for the Popper products

Product Name	^1H Chemical shift (number of H, splitting pattern)
Jungle Juice Plus sample 2	5.28 (2H, br), 5.20 (1H, br), 5.13 (1H, br), 4.19 (2H, t), 4.07 (1H, dd), 3.98 (1H, dd), 2.39 (1H, sex), 2.34 (2H, quin), 2.17 (2H, quin), 2.13 (1H, sex), 2.10 (1H, quin), 2.07 (1H, quin), 1.97 (2H, quin), 1.97 (2H, quin), 1.97 (2H, quin), 1.97 (2H, quin), 1.85 (1H, quin), 1.74 (1H, quin), 1.56 (3H, t), 1.56 (3H, d), 1.52 (3H, t), 1.52 (3H, d), 1.52 (3H, t), 1.52 (3H, d)
Jungle Juice Plus sample 1	4.19 (2H, t), 4.07 (1H, dd), 3.98 (1H, dd), 3.97 (2H, d), 2.50 (1H, non), 2.17 (2H, quin), 2.13 (1H, sex), 2.10 (1H, quin), 1.97 (2H, quin), 1.97 (2H, quin), 1.74 (6H, d), 1.74 (1H, quin), 1.52 (3H, t), 1.52 (3H, t), 1.52 (3H, d)
Jungle Juice	6.38 (1H, sep), 4.67 (1H, sep), 2.10 (6H, d), 1.88 (6H, d)
Platinum	6.34 (1H, sep), 4.67 (1H, sep), 2.09 (6H, d), 1.87 (6H, d)
Rush	6.32 (1H, sep), 4.67 (1H, sep), 2.08 (6H, d), 1.88 (6H, d)
Liquid Gold	6.32 (1H, sep), 4.68 (1H, sep), 2.08 (6H, d), 1.88 (6H, d)
Berlin XXX Hardcore	6.32 (1H, sep), 4.68 (1H, sep), 2.09 (6H, d), 1.88 (6H, d)
Hard-on	6.33 (1H, sep), 4.69 (1H, sep), 2.10 (6H, d), 1.90 (6H, d)