

# Head Shop Legal Highs Active Constituents Identification Chart (June 2010, post-ban)



•Dimethocaine\*

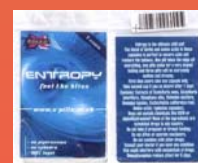


•Caffeine  
•Lignocaine

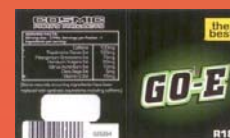
Note: LCMS revealed an unidentified compound with a suspected molecular mass 364 that was not detectable by GCMS.



•Dimethylamylamine (DMAA)  
•Caffeine



•Glaucine\*  
(Note: This product is sold as a 'relaxant')



•Dimethylamylamine (DMAA)  
•2-Phenylethylamine (2-PEA)  
•Hordenine  
•Caffeine



•Fluorotropacocaine\*  
•Caffeine

Note: Slightly different packaging. Both products also contain a trace of lignocaine.



•Fluorotropacocaine\*  
•Caffeine



•Ethcathinone



•Ethcathinone  
•iso-Ethcathinone\*



•Naphyrone  
•Caffeine  
•Lignocaine  
(Note: offered for sale as a 'herbal snuff')



•Dimethocaine\*



•Dimethocaine\*

Note: Purchased after DOHC statement on dimethocaine issued on June 02. Machine gun logo on bag.



•Caffeine



•Dimethylamylamine (DMAA)  
•Caffeine



•Dimethylamylamine (DMAA)  
•2-Phenylethylamine (2-PEA)  
•Caffeine



•Dimethocaine\*

Note: Before the ban this product contained methylone.



•Dimethylamylamine (DMAA)  
•Caffeine

Note: This product is targeted at the female market.



•Dimethylamylamine (DMAA)  
•2-Phenylethylamine (2-PEA)  
•Caffeine

Note: GCMS revealed an unidentified compound which is still under investigation.



•Caffeine



•2-Phenylethylamine (2-PEA)  
•Caffeine

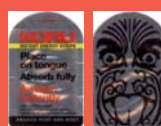


•Caffeine

Note: Sold as 'Powerful Herbal party Snuff'



Outer pack



Inner pack

•Caffeine

Note: 'Gel Strip' formulation



•Dimethylamylamine (DMAA)  
•Caffeine



•Dimethylamylamine (DMAA)  
•2-Phenylethylamine (2-PEA)  
•Caffeine



Powder



Capsule



Tablet

\* Tentatively identified from its mass spectrum as no standard was available

These are the active constituents identified to date. It appears that an active ingredient in a number of the tablet formulations is dimethylamylamine (DMAA). If you have any questions please contact us - [id.lab.team@gmail.com](mailto:id.lab.team@gmail.com)

Pierce Kavanagh<sup>1</sup>, Jayant Sharma<sup>1</sup>, Sinead McNamara<sup>2</sup>, Daniel Angelov<sup>1</sup>, Sean McDermott<sup>1</sup>, Daniel Mullan<sup>1</sup> and Sheila Ryder<sup>3</sup>

<sup>1</sup> Department of Pharmacology and Therapeutics, School of Medicine, Trinity Centre for Health Sciences, St. James's Hospital, Dublin 8.

<sup>2</sup> Drug Treatment Centre Board, Pearse Street, Dublin 2.

<sup>3</sup> School of Pharmacy and Pharmaceutical Sciences, Trinity College, Dublin 2.