

Pillbox 38 (UK) Ltd Quality Control Laboratory

## CERTIFICATE OF ANALYSIS

**Attn:** Technical Manager  
**QC Lab Tel:** 01254 692244 (EXT 262)  
**Sample Description:** E-liquid flavour concentrate  
**COA Number:** P38-SM-063  
**Date Issued:** 05.03.19

The results refer only to the sample(s) submitted for testing. The analytical report may only be reproduced in full and only with the written approval of Pillbox 38(UK) Limited.

<b>Analysis:</b>	Diketone analysis by GC-MS	<b>Sample Name:</b>	Switz Smooth Menthol
<b>Date received:</b>	04/03/2019	<b>Flavour(s) formulation:</b>	Menthol, Vanilla, Cool
<b>Date Analysed:</b>	04/03/2019	<b>Sample Code:</b>	SWM013
<b>Method Code:</b>	TW-FP-07-01-03-V1	<b>Analyst ID:</b>	J Hull
<b>Concentration Units:</b>	µg/mL	<b>Instrument ID:</b>	Thermo ISQ

## RESULTS

Compound Name	LOQ	Results
Diacetyl (2,3-Butanedione) CAS: 431-03-8	11µg/mL	None Detected
Acetyl Propionyl (2,3-Pentanedione) CAS: 600-14-6	9µg/mL	None Detected
Acetoin (3-Hydroxybutanone) CAS: 513-86-0	13µg/mL	None Detected

**Note:** The LOQ (Limit of Quantification) term refers to the determination limit of the method.

## SIGNATURE



Dr. Peter Gibbons MRSC  
Technical Manager