



# West Yorkshire Analytical Services

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Report No: BC15989.DOC cmh

07 January 2014

The Smokers Angel  
Unit 27 Crofty Industrial Estate  
Penclawdd  
Swansea  
UK  
SA4 3RS

**Sample Description:** E liquid for electronic cigarettes Virginia 24mg  
**Laboratory Reference:** BC15989  
**Submitted by:** S Ahearne  
**Date Received:** 13 December 2013  
**Date analysis completed:** 23 December 2013

## TEST REPORT

The above sample has been analysed for nicotine by isotope-dilution gas chromatography-mass spectrometry and for other compounds and contaminants by gas chromatography-mass spectrometry with results as under.

Sample description	Parameter	Result
Clear pale yellow liquid	Nicotine	2.0 g/100g
		2.4 g/100ml (24 mg/ml)

Detection limit for nicotine is 0.01 g/100ml, 0.01 g/100g, 0.1 mg/ml

### Other compounds detected

Propylene glycol  
Glycerol

**Note** – The compounds listed above under “other compounds” have been tentatively identified from their mass spectra and have not been confirmed by comparison with standard materials.

Ethylene glycol (CAS No 107-21-1), diethylene glycol (Digol, CAS No 111-46-6) and diacetyl (CAS No 431-03-8) were not detected in the sample (detection limit 0.1% approximately)

If I can be of any further assistance regarding these results, please do not hesitate to contact me.

C M Hunt B.Sc., M.Chem.A., C.Chem., F.R.S.C.,  
Registered Analytical Chemist  
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