


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p><b>UKAS</b> TESTING</p> <p><b>21379</b></p> <p>Accredited to ISO/IEC 17025:2017</p>	<p><b>Inter Scientific Limited</b></p> <p><b>Issue No:</b> 005      <b>Issue date:</b> 30 January 2025</p>	
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<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SMOKELESS NICOTINE DELIVERY PRODUCTS (vaping devices and e-liquids)	<u>Physical Testing</u>	In-house developed methods
	pH	SOP TM11.14.1
	Density	SOP TM11.67.1
	Water activity	SOP TM11.18.1
e-liquids and Smokeless nicotine delivery vapour/aerosol	Particle size	SOP TM11.17.1 by laser diffraction
	<u>Chemical Testing</u>	
e-liquids and Smokeless nicotine delivery vapour/aerosol	Nicotine	SOP TM11.11.1 based on ISO 20768:2018 using high performance liquid chromatography UV detection (HPLC-UV) by HPLC-UV
	Metals: Aluminium Antimony Arsenic Barium Boron Bismuth Cadmium Chromium Copper Cobalt Lead Lithium Nickel Iron Tin Selenium Silver Vanadium Zinc	SOP TM 11.129.1 by ICP-MS



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SMOKELESS NICOTINE DELIVERY PRODUCTS (vaping devices and e-liquids (cont'd)	<u>Chemical Testing (cont'd)</u>  Metals: Cadmium Chromium Nickel Lead  Specific Flavour Compounds Vanillin and ethyl vanillin  Ethyl Acetoacetate  Cinnamaldehyde	In-house developed methods  SOP TM11.13.1 based on ISO 20768:2018 using inductively coupled plasma-optical emission spectroscopy ICP-OES  SOP TM11.11.4 based on ISO 20768:2018 using high performance liquid chromatography UV detection (HPLC-UV)  SOP TM 11.11.7 using HPLC with UV Vis Detection  SOP TM 11.15.1 based on ISO 20768:2018 by GC-MS
e-liquid and Smokeless nicotine delivery vapour/aerosol (cont'd)	Major components: Nicotine Glycerol Propylene glycol Menthol Diethyl glycol Ethylene glycol Propionic acid  Carbonyls: Formaldehyde Acetaldehyde Acetone Acrolein Propionaldehyde Crotonaldehyde Methyl ethyl ketone Benzaldehyde Butryaldehyde	SOP TM11.12.1 based on ISO 20768:2018 using gas chromatography flame ionisation detection (GC-FID)  SOP TM11.11.3 based on ISO 20768:2018 using HPLC-UV



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SMOKELESS NICOTINE DELIVERY PRODUCTS (vaping devices and e-liquids (cont'd))	<u>Chemical Testing (cont'd)</u>  Volatile Organic Compounds 1-butanol Propylene Oxide Methyl acetate Acrylonitrile Ethyl acetate Benzene Toluene Iso butyl acetate Furfural Iso amyl acetate Benzyl acetate Diacetyl Acetyl propionyl  Glycidol n-nitrosornicotine (NNN) n-nitrosornicotine ketone (NNK)	In-house developed methods  SOP TM 11.15.1 based on ISO 20768:2018 using gas chromatography-mass spectrometry (GC-MS)  SOP TM 11.12.2 by GC-FID
END		