

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 21379 Accredited to ISO/IEC 17025:2017	Inter Scientific Limited Issue No: 007 Issue date: 05 October 2026	
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Testing performed at the above address only		

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
e-liquids	pH	SOP TM11.14.1
e-liquids	Density	SOP TM11.67.1
e-liquids	Water activity	SOP TM11.18.1
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> Specific Flavour Compounds Vanillin and ethyl vanillin Ethyl Acetoacetate Cinnamaldehyde	In-house developed methods 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 cambridge filter pad followed by gas chromatography-mass spectrometry (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 Butyraldehyde Glycidol n-nitrosornicotine (NNN) n-nitrosornicotine ketone (NNK)	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 SOP TM 11.12.2 by GC-FID



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SMOKELESS NICOTINE DELIVERY PRODUCTS (vaping devices and e-liquids (cont'd) e-liquid and Smokeless nicotine delivery vapour/aerosol (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	In-house developed methods SOP TM 11.15.1 based on ISO 20768:2018 using carbon tube followed by gas chromatography-mass spectrometry (GC-MS)
END		