


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS TESTING</b> 10636</p> <p>Accredited to <b>ISO/IEC 17025: 2017</b></p>	<p><b>Broughton Nicotine Services Limited</b></p> <p>Issue No:001 Issue date: 14 February 2020</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
<p>SMOKELESS NICOTINE DELIVERY PRODUCTS (e-cigarettes, electronic cigarettes, vaping devices)</p> <p>Electronic cigarette liquid and Smokeless nicotine delivery vapour / aerosol</p>	<p><u>Chemical Tests</u></p> <p>pH</p> <p>Acetaldehyde Formaldehyde Crotonaldehyde Acrolein Propionaldehyde Butyraldehyde Methyl Ethyl Ketone</p> <p>Diacetyl Acetyl Propionyl</p> <p>4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) N'-Nitrosornicotine (NNN)</p> <p>Nicotine n-oxide Cotinine Nornicotine Anatabine Myosmine Anabasine beta-Nicotyrine</p>	<p>Documented In-House Methods based on industry standard methods</p> <p>NTM0027 following aqueous extraction or aqueous extraction of aerosol collection based on ISO 20768:2018</p> <p>NTM0025a using solvent extraction or aerosol collection based on ISO 20768:2018 and liquid chromatography-mass spectrometry (LC-MS)</p> <p>NTM0025b using solvent extraction or aerosol collection based on ISO 20768:2018 and liquid chromatography-mass spectrometry (LC-MS)</p> <p>NTM0008 using solvent extraction or aerosol collection based on ISO 20768:2018 using liquid chromatography tandem mass spectrometry (LC-MS/MS)</p> <p>NTM0016 using solvent extraction or aerosol collection based on ISO 20768:2018 using liquid chromatography tandem mass spectrometry (LC-MS/MS)</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SMOKELESS NICOTINE DELIVERY PRODUCTS (e-cigarettes, electronic cigarettes, vaping devices) (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods based on industry standard methods
Electronic cigarette liquid and Smokeless nicotine delivery vapour / aerosol (cont'd)	Nicotine Menthol Glycerol Propylene Glycol Diethylene Glycol Ethylene Glycol Glycidol	NTM0001 using solvent extraction or aerosol collection based on ISO 20768:2018 and gas chromatography flame ionisation detection (GC-FID)
	1,3-Butadiene Isoprene Acrylonitrile Benzene Toluene	NTM0012 using solvent extraction or aerosol collection based on ISO 20768:2018 and gas chromatography-mass spectrometry (GC-MS)
	Arsenic Cadmium Chromium Copper Nickel Lead Tin Zinc Iron Silver Aluminium Vanadium Cobalt Molybdneum Antimony Mercury	NTM0004 using solvent extraction or aerosol collection based on ISO 20768:2018 and inductively coupled plasma mass spectrometry (ICP-MS)

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