


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 1872 Accredited to ISO/IEC 17025:2017	INOVYN ChlorVinyls Ltd (Trading as INEOS Inovyn)	
	Issue No: 040	Issue date: 12 December 2023
	INOVYN ChlorVinyls Analytical Group Runcorn Cheshire WA7 4JE	Contact: No Commercial Enquiries
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address INOVYN ChlorVinyls Analytical Group Runcorn Cheshire WA7 4JE Local contact Ms Sarah Hall Tel: +44 (0)1928 512004 Fax: +44 (0)1928 568921 Email: sarah.hall@inovyn.com Website: http://www.inovyn.com	Support Functions: Quality System Quality Audit Administration Chemical Testing	A

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Runcorn Site Cheshire WA7 4JE	Stack Emissions Testing Ambient Air Testing Waste Water Sampling and Testing	B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS/TISSUE	<u>Chemical Tests</u>	Documented In-House Methods:	
- Urine	Creatinine	UR/02 using Colorimetry	A
	Mercury	UR/05 using Atomic fluorescence Spectroscopy	A
POLLUTANTS EFFLUENTS: Atmospheric	<u>Chemical Tests</u>	Documented In-House Methods:	
	Chlorohydrocarbons:	VEN/07, VEN/13 using ATD-GC-FID	A, B
	Vinyl Chloride Vinylidene Chloride Dichloromethane Chloroform 1,2-Dichloroethane Carbon Tetrachloride Trichloroethene Tetrachloroethene		
	Halogenated and fluorinated hydrocarbons:	ENV/04 using ATD coupled with GC/MS	A, B
	Hexachlorobutadiene Trichloroethene Vinyl Chloride Dichloromethane Chloroform 1,2-Dichloroethane Carbon Tetrachloride Tetrachloroethene		
	Dust (mass on filter)	VEN/20 using Gravimetric Analysis	A



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POLLUTANTS EFFLUENTS: Atmospheric (cont'd)	<u>Chemical Tests (cont'd)</u> Particulates phase metals: Platinum Mercury Hydrogen Chloride Sulphur Trioxide	Documented In-House Methods: VEN/21 using ICP-OES VEN/18 using Atomic Fluorescence Spectroscopy VEN/09 using Ion Chromatography VEN/23 using titrimetric analysis	A A, B A A
POLLUTANTS EFFLUENTS: Vent gases	Chlorine Organic Components in Vents: Vinyl Chloride Vinylidene Chloride Methylene Chloride Trans-Dichloroethene Cis-Dichloroethene 1,1 Dichloroethane Chloroform Carbon Tetrachloride Ethylene Dichloride B-Trichloroethane Perchloroethane Bromochloroethane A-Tetrachloroethane S-Tetrachloroethane Pentachloroethane Hexachloroethane Methane Dimethyl Ether Methyl Chloride Dimethoxymethane	VEN/28 using ion chromatography SPL/01 using GC-FID	A A



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POLLUTANTS EFFLUENTS: Vent Gases (cont'd)	<u>Chemical Tests (cont'd)</u> Vinyl Chloride Ethylene Ethyl Chloride Vinylidene Chloride Dichloromethane Trans – dichloroethene Cis – Dichloroethene 1,1 – Dichloroethane Chloroform Carbon Tetrachloride Ethylene dichloride B-Trichloroethane Trichloroethene Perchloroethene Bromochloroethane A-Tetrachloroethane S-Tetrachloroethane Pentachloroethane Oxygen Carbon Dioxide Carbon Monoxide	Documented In-House Methods: DSP\57 using Gas Chromatography with FID and TCD	A
Organics and Solvents Plant Lab Vent Gas	Oxygen Ethylene Carbon Monoxide Carbon Dioxide	SPL/50 using GC-TCD	A



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POLLUTANTS AND EFFLUENTS: Liquid WATERS	<u>Chemical Tests</u> Alkalinity and pH Chlorine (available) Arsenic, Boron, Cadmium, Chromium, Copper, Lead, Nickel, Zinc Mercury Hexachlorobenzene (HCB) Sulphide Suspended Solids Total Organic Carbon by Calculation	Documented In-House Methods: AE/04a using Autotitration AE/11 using Titrimetric Analysis AE/41 using ICP-OES AE/10 using Atomic Fluorescence Spectroscopy ENV/03 using GC/MS AE/15a using Titrimetric Technique AE/06 using Gravimetric Technique AE/42 using Catalytic oxidation with infra-red detection	A A A A A A A
Trade Effluent	Halocarbons (high range): Methylene Chloride Chloroform Carbon Tetrachloride 1,2-Dichloroethane Trichloroethylene 1,1,2 Trichloroethane Tetrachloroethylene	AE/13 using GC-FID and GC-MS	A
Surface Water	Halocarbons (low range): Methylene Chloride Chloroform Carbon Tetrachloride 1,2-Dichloroethane Trichloroethylene 1,1,2 Trichloroethane Tetrachloroethylene 1,3,5 Trichlorobenzene 1,2,4 Trichlorobenzene 1,2,3 Trichlorobenzene Hexachlorobutadiene	AE/13 using GC-FID and GC-MS	
Effluent	Sodium chlorate	AE/43 by Ion Chromatography	A



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AQUEOUS EFFLUENTS, WATERS Industrial, Commercial and Domestic Outfalls, Lagoons, Canals, Rivers	<u>Physical Tests</u>	Documented In-House Method:	
	Temperature measurements	AE/25 using a calibrated mercury-in-glass thermometer	B
	<u>Chemical Tests</u>		
	pH	AE/04a using autotitration	A
	Conductivity	ENV/16 using conductivity meter	A, B
Brine, Waste and Surface Waters	Bisulphite	AE/54 titration	A
	Free Chlorine	AE/57 using Colorimetry	A
POLLUTANTS AND EFFLUENTS Atmospheric Gas	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory</u>		
	Chlorohydrocarbons	VEN/13	B
	<u>Sampling and on line Analysis</u>		
Testing of Stack Emissions to Atmosphere	Mercury	ENV/09 using portable UV detector	B
	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory</u>	Documented In-House Methods:	
	Sulphur Trioxide	VEN/23	B
Testing of Vent Gas to Atmosphere	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory</u>		
	Chlorine	VEN/28	B



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			B B B B
END			