


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>Accredited to ISO/IEC 17025:2005</p>	INEOS ChlorVinyls Ltd	
	Issue No: 020 Issue date: 13 May 2011	
	INEOS ChlorVinyls Analytical Group Runcorn Cheshire WA7 4JE	Contact: No Commercial Enquiries Tel: Fax: E-Mail: Website:
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 INEOS ChlorVinyls Analytical Group Runcorn Cheshire WA7 4JE	Local contact Miss J Hilton Tel: +44 (0)1928 512004 Fax: +44 (0)1928 568921 Email: julie.hilton@ineoschlor.com Website: www.ineoschlor.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
INEOS ChlorVinyls Ltd Runcorn Site Cheshire WA7 4JE	Stack Emissions Testing Waste Water Sampling and Testing	B



1872

Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

INEOS ChlorVinyls Ltd

Issue No: 020 Issue date: 13 May 2011

Testing performed by the Organisation at the locations specified

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS/TISSUE - Urine	<u>Chemical Tests</u>	Documented In-House Methods:	
	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
	Halogenated and fluorinated hydrocarbons	ENV/04 using ATD coupled with GC/FID or GC/MS	A
	Dust	VEN/20 using Gravimetric Analysis	A
	Particulates	ENV/01 using Gravimetric Analysis based on BS EN 13284 (isokinetic)	A
	Particulates phase metals: Arsenic Cadmium Cobalt Chromium Copper Iron Nickel Manganese Lead Platinum Antimony Thallium Vanadium Zinc	VEN/21 using ICP-OES	A
	Mercury	VEN/03 using Chemical Absorption followed by Cold Vapour Atomic Absorption Spectrometry	A
		VEN/18 using Atomic Fluorescence Spectroscopy	A



1872

Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

INEOS ChlorVinyls Ltd

Issue No: 020 Issue date: 13 May 2011

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
POLLUTANTS EFFLUENTS: Atmospheric (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods:	
	Hydrogen Fluoride, Hydrogen Chloride, Hydrogen Bromide, Hydrogen Sulphate	VEN/09 using Ion Chromatography	A
	Sulphur Trioxide	VEN/23 using titrimetric analysis	A
Vent Gas	Mercury	VEN/30 using cold vapour atomic absorption	A
	Chlorine	VEN/28 using ion chromatography	A
	Organic Components in Vents	SPL/01 using GC-FID	A
	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	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
Chloromethanes Plant Lab Vent Gas	Chlorinated organics and Acetylene, Ethylene, Propylene and Methanol	CMs/10 using GC/FID	A



1872

Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

INEOS ChlorVinyls Ltd

Issue No: 020 Issue date: 13 May 2011

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
POLLUTANTS AND EFFLUENTS: Liquid WATERS	<u>Chemical Tests</u>	Documented In-House Methods:	
	Alkalinity and pH	AE/04a using Autotitration	A
	Chlorine (available)	AE/11 using Titrimetric Analysis	A
	Arsenic, Boron, Cadmium, Chromium, Copper, Lead, Nickel, Zinc	AE/41 using ICP-OES	A
	Mercury	AE/10 using Atomic Fluorescence Spectroscopy	A
	Halocarbons	AE/13 using GC/FID/MS	A
	Semivolatile organic compounds	ENV/03 using GC/FID/MS	A
	Volatile organic compounds	ENV/02 using Purge and trap coupled with GC/FID/MS	A
	Sulphide	AE/15a using Titrimetric Technique	A
	Suspended Solids	AE/06 using Gravimetric Technique	A
Effluent	Total Organic Carbon	AE/42 using Catalytic oxidation with infra-red detection	A
	Sodium chlorate	AE/43 by Ion Chromatography	A
SOILS	<u>Chemical Tests</u>	Documented In-House Method	
	Semivolatile organic compounds	ENV/03 using GC/FID/MS	A
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
	Bisulphite	AE/54 titration	A



1872

Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

INEOS ChlorVinyls Ltd

Issue No: 020 Issue date: 13 May 2011

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
POLLUTANTS AND EFFLUENTS Atmospheric Gas	<u>Sampling</u> Chlorohydrocarbons	Documented In-House Methods: VEN/13	B
	<u>Sampling and Analysis</u> NO _x , SO ₂ , CO and O ₂	VEN/05 using electrochemical cells ENV/13 using electrochemical cells	B
	Mercury	ENV/09 using portable UV detector	B
Testing of Stack Emissions to Atmosphere	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory</u>	National, International and other recognised standards using documented In-House work instructions to meet the requirements of DD CEN/TS 15675:2007	
	Total Particulate Matter	ENV/01 based on procedural requirements of BS EN 13284:2002	B
	Particulates phase heavy metals: As, Cd, Cr, Cu, Fe, Hg, Ni, Pb, Pt, V, Zn	VEN/21 based on procedural requirements of BS EN 13284:2002	B
	Polyaromatic Hydrocarbons, Dioxins and furans	VEN/24 based on procedural requirements of BS EN 1948:2006 and ISO11338-1 2003	B
	Hydrogen Chloride	VEN/25 based on procedural requirements of BS EN 1911:1998	B
	Sulphur Trioxide	VEN/23	B
	<u>Sampling and On-Line analysis</u> Total Gaseous Organic Carbon (TOC / VOC) (0 to 20 mg/m ³)	VEN/26 based on procedural requirements of BS EN 12619:1999	B



1872

Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

INEOS ChlorVinyls Ltd

Issue No: 020 Issue date: 13 May 2011

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Testing of Vent Gas to Atmosphere	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory</u>	Documented In-House Methods:	
	Chlorinated organics	SPL/01	B
	Oxygen Ethylene Carbon Monoxide Carbon Dioxide	SPL/50	B
	Chlorine	VEN/28	B
	Mercury	VEN/30	B
END			