Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

4719

Accredited to ISO/IEC 17043:2010

EffecTech Limited

Issue No: 006 **Issue date:** 03 March 2021

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Proficiency Tests provided from the above address only

DETAIL OF ACCREDITATION

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
GAS MIXTURES	**Global gas and LNG proficiency testing scheme (GGLNG)**	Traceable reference values.
Natural gas / LNG mixture	amount fraction (% mol/mol) nitrogen (0.1 to 8) carbon dioxide (0.1 to 8) ethane (0.1 to 14) propane (0.05 to 5) iso-butane (0.01 to 1) n-butane (0.01 to 1) iso-pentane (0.005 to 0.35) n-pentane (0.005 to 0.35) n-hexane (0.005 to 0.35) methane (balance)	Details of the scheme are documented in the in-house procedures (PR021, PR022, PR023 and PR024).
Propane balance gas mixture	amount fraction (% mol/mol) nitrogen (0.1 to 2) ethane (0.25 to 3) iso-butane (0.03 to 0.7) n-butane (0.03 to 0.7) iso-pentane (0.02 to 0.08) n-pentane (0.02 to 0.08) propane (balance)	
Mixed refrigerant gas mixture	amount fraction (% mol/mol) nitrogen (8 to 16) ethane (20 to 35) propane (5 to 15) methane (balance)	

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Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
GAS MIXTURES (continued)	**Global gas and LNG proficiency testing scheme (GGLNG)** (continued)	
Sulphur gas mixture	amount fraction (µmol/mol)	
	hydrogen sulphide (1 to 10) carbonyl sulphide (1 to 10) methyl mercaptan (1 to 10) ethyl mercaptan (1 to 10) dimethyl sulphide (1 to 10) methane, ethane and propane (balance)	
STACK EMISSIONS GAS MIXTURES	**Stack Emissions Proficiency Testing Scheme (SEPTS)**	Traceable reference values.
	amount fraction	Details of the scheme are documented in the in-house procedures (PR021, PR023, PR024 and PR036).
carbon monoxide in nitrogen	50 to 1000 µmol/mol	
carbon dioxide in nitrogen	1 to 10 %mol/mol	
oxygen in nitrogen	2 to14 %mol/mol	
nitric oxide in nitrogen	5 to 500 µmol/mol	
sulphur dioxide in nitrogen	50 to 1000 µmol/mol	
propane in 10% oxygen with balance nitrogen	1 to 50 µmol/mol	
nitrogen oxides in nitrogen nitric oxide (NO) nitrogen oxides (NO_x)	 40 to 400 µmol/mol 50 to 500 µmol/mol	

END