


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS PROFICIENCY TESTING</p> <p>4719</p> <p>Accredited to ISO/IEC 17043:2010</p>	<p>EffectTech Limited</p> <p>Issue No: 007 Issue date: 25 September 2024</p>	
	<p>Dove House Dove Fields Uttoxeter Staffordshire ST14 8HU</p>	<p>Contact: Adam Lomax Tel: +44 (0)1889 569229 Fax: +44 (0)1889 569220 E-Mail: adam.lomax@effecttech.co.uk Website: www.effecttech.co.uk</p>
<p>Proficiency Tests provided from the above address only</p>		

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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Issue No: 007 Issue date: 25 September 2024

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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 ($\mu\text{mol/mol}$) 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.
carbon monoxide in nitrogen	amount fraction 50 to 1000 $\mu\text{mol/mol}$	Details of the scheme are documented in the in-house procedures (PR021, PR023, PR024 and PR036).
carbon dioxide in nitrogen	1 to 10 %mol/mol	
oxygen in nitrogen	2 to 14 %mol/mol	
nitric oxide in nitrogen	5 to 500 $\mu\text{mol/mol}$	
sulphur dioxide in nitrogen	50 to 1000 $\mu\text{mol/mol}$	
propane in 10% oxygen with balance nitrogen	1 to 50 $\mu\text{mol/mol}$	
nitrogen oxides in nitrogen nitric oxide (NO) nitrogen oxides (NO _x)	40 to 400 $\mu\text{mol/mol}$ 50 to 500 $\mu\text{mol/mol}$	
END		