


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> TESTING</p> <p>2518</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Nippon Gases Offshore Limited</h3> <p>Issue No: 025    Issue date: 04 May 2022</p>	
	<p><b>Dominion Building</b> Howemoss Avenue Kirkhill Industrial Estate Dyce Aberdeen AB21 0GP</p>	<p><b>Contact: Mark Tartaglia</b> Tel: +44 (0)1224 215 652 E-Mail: mark.tartaglia@nippongases.com Website: www.nippongases.com/uk</p>
<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
<b>COMPRESSED GASES</b>	<u>Chemical Analysis</u>	
<b>Diving gases</b>	Amount fraction (%mol/mol)	
Helium/oxygen mixtures (Heliox) (see Note 1)	Oxygen            2% to 60%	Documented in-house method BMI-110 (GAS System)
Nitrogen/oxygen mixtures (Nitrox) (see Note 1)	Oxygen            2% to 55%	Documented in-house method BMI-110 (GAS System)
Diving air (see Note 1)	Oxygen            19.9% to 21.9%	Documented in-house method BMI-110 (GAS System)
Diving helium (see Note 1)	>99.99%	<b>Note 1</b> Gases can be analysed for compliance with BS 8478:2011 and BS EN 12021:2014
Oxygen (see Note 1)	>99.95%	
<b>High purity gases</b>		
Oxygen (see Note 1)	>99.95%	
Nitrogen	>99.99%	
Argon	>99.998%	
Helium	>99.99%	
Trace gas analysis for above gases and gas mixtures	Water Methane Carbon dioxide Carbon monoxide Nitrogen	Documented in-house methods BMI-102 (FTIR) BMI-103 (Gas Analyser) BMI-104 (GC) BMI-106 (Moisture Meter) BMI-110 (GAS System)
<b>Industrial gases</b>		
Helium in nitrogen	Helium            1 % to 90 %	Documented in-house methods BMI-103 (Gas Analyser) BMI-106 (Moisture Meter) BMI-112 (GC)



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**Nippon Gases Offshore Limited**  
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<b>Welding gases</b>	Amount fraction (%mol/mol)	
Carbon dioxide in argon	Carbon dioxide 5 % to 50 %	ANSI/AWS A5.32/A5.32M-97, (R 2007) BS EN 439:1994 BS EN ISO 14175:2008 Documented in-house methods BMI-103 (Gas Analyser) BMI-106 (Moisture Meter) BMI-111 (GC)
Argon in helium	Argon 5 % to 70 %	ANSI/AWS A5.32/A5.32M-97, (R 2007) BS EN 439:1994 BS EN ISO 14175:2008 Documented in-house methods BMI-103 (Gas Analyser) BMI-106 (Moisture Meter) BMI-112 (GC)
Carbon dioxide, oxygen and argon	Carbon dioxide 0.5 % to 20 % Oxygen 2 %	ANSI/AWS A5.32/A5.32M-97, (R 2007) BS EN 439:1994 BS EN ISO 14175:2008 Documented in-house methods BMI-103 (Gas Analyser) BMI-106 (Moisture Meter) BMI-111 (GC)
Helium, carbon dioxide and argon	Helium 35 % to 75 % Carbon dioxide 0.5 % to 5% Argon 8% to 50%	ANSI/AWS A5.32/A5.32M-97, (R 2007) BS EN 439:1994 BS EN ISO 14175:2008 Documented in-house methods BMI-103 (Gas Analyser) BMI-106 (Moisture Meter) BMI-111 (GC) BMI-112 (GC)
Nitrogen in Argon	Nitrogen 2% to 50% Argon 50% to 98%	ANSI/AWS A5.32/A5.32M-97, (R 2007) BS EN 439:1994 BS EN ISO 14175:2008 Documented in-house methods BMI-103 (Gas Analyser) BMI-106 (Moisture Meter) BMI-112 (GC)



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<b>Fire fighting gases</b> Inergen IG-541	Nitrogen 52 % Argon 40 % Carbon dioxide 8 %	ISO 14520-15:2015 Documented in-house methods BMI-103 (Gas Analyser) BMI-106 (Moisture Meter)
<b>Calibration gases</b> Helium, Oxygen and Carbon Dioxide	Oxygen 2% to 50% Carbon Dioxide 350 to 5000 µmol/mol	Documented in-house methods BMI-103 (Gas Analyser) BMI-105 (Calibration Gases by GC) BMI-106 (Moisture Meter)
END		