

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>0742</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Howco Group PLC</h3> <p>Issue No: 034 Issue date: 28 February 2017</p>	
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<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Howco Group PLC, UKAS reference 0742, is accredited for a flexible scope that enables them to conduct accredited testing, through the update of currently accredited test methods to the latest versions of those test methods, for the activities detailed below, in accordance with their quality management system.

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS	<u>Corrosion Tests</u>	
Stainless steels	Resistance to pitting and crevice corrosion	ASTM G48 Method A
	<u>Mechanical Tests</u>	
Steels, Stainless steels and Ni alloys	Impact: Izod	BS 131 Part 1
	Charpy (U and V-notch) (Temperatures range -196°C and -160°C to ambient)	BS EN ISO 148-1 ASTM E23 ASTM A370
	Tensile (Forces up to 250 kN)	BS EN ISO 6892-1 Method B ASTM A370 ASTM E8/E8M
	Hardness	
	Rockwell (HRC)	ASTM E18
	Brinell (HBW 10/3000)	BS EN ISO 6506-1 ASTM E10
	<u>Metallurgical Tests</u>	
Steels, Stainless steels and Ni alloys	Average Grain size	BS EN ISO 643 ASTM E112 (comparative method)
	Inclusion content	ASTM E45 Methods A & D
	Macro etch	ASTM E381



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

Howco Group PLC

Issue No: 034 Issue date: 17 November 2016

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS (cont'd) Steels, stainless steels and Ni alloys (cont'd)	<u>Metallurgical Tests</u> (cont'd) Macro assessment Micro assessment (Inconel 718) Volume fraction	ASTM A604/A604M API 6A718 API 6ACRA ASTM E562
END		