

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>	<h3>Chemring Countermeasures Limited</h3> <p>Issue No: 007 Issue date: 03 February 2010</p>	
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<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>Hazardous items including: Ammunition Explosives and Propellants Firearms Fuses: Weapons Missile Components Missiles: Guided Missiles: Unguided Rocket Motors Weapons and Sub-assemblies Aerospace Components and Equipment</p> <p>Non-hazardous items including: Aerospace Structures Castings Compressors Computers, Peripherals and other IT Equipment Electrical/Electronic Components Connectors and Products Hydraulic Equipment Radar Equipment Sonar Equipment Telecommunications Equipment</p>	<p>ENVIRONMENTAL TESTS Environmental Testing, including dangerous substances under sub-divisions of Explosives Class 1 of the UN Dangerous Goods Classification System</p> <p>Climatic Testing Concessions for small quantities of HD 1.1 and HD 1.2 by application 50 Kg HD 1.3 100 Kg HD 1.4</p> <p>Dynamic Testing Concessions for small quantities of HD 1.1 and HD 1.2 by application 50 Kg HD 1.3 100 Kg HD 1.4</p> <p>CLIMATIC High Temperature/Low Humidity Constant and Cyclic Temp Range: 10°C to +95°C Max Chamber Size: 2 m x 1 m x 1 m high</p> <p>Temp Range: 10°C to +80°C Max Chamber Size: 1.5 m x 2.5 m x 2 m high</p>	<p>Def Stan 00-35:1999 & 2006 Test CL1 and CL2 (A1, A2, A3) (Transit and storage conditions) Def Stan 07-55:1975 Test B1, B2 STANAG 2895, 1990 (A1, A2, A3) (Transit and storage conditions) BS EN 60068-2-2:2007 IEC 60068-2-2:2007 MIL-STD 810D, E, F & G Method 501 MIL-STD 331B:1994, Test C6 MIL-STD 810E, F & G</p>



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As listed on Page 1	<p>CLIMATIC (cont'd)</p> <p>Low Temperature Constant and Cyclic Min Temp: -65°C Max Chamber Size: 2 m x 1 m x 1 m high</p> <p>Min Temp: -60°C Max Chamber Size: 1.5 m x 2.5 m x 2 m high</p> <p>High Temperature/High Humidity Constant Temp Range: 10°C to +95°C Max Chamber Size: 2 m x 1 m x 1 m high Humidity Range: 10% rh to 95% rh</p> <p>Temp Range: 10°C to +80°C Max Chamber Size: 1.5 m x 2.5 m x 2 m high Humidity Range: 10% rh to 95% rh</p> <p>High Temperature/High Humidity Cyclic Temp Range: 10°C to +95°C Max Chamber Size: 2 m x 1 m x 1 m high Humidity Range: 10% rh to 95% rh</p> <p>Temp Range: 10°C to +80°C Max Chamber Size: 1.5 m x 2.5 m x 2 m high Humidity Range: 10% rh to 95% rh</p>	<p>Def Stan 00-35:1999 & 2006 Test CL4 (Test ab) CL5 (C0, C1, C2, C4, M3) Def Stan 07-55:1975 Test B4, B5 STANAG 2895, 1990 (C0, C1, C2, C4, M3) BS EN 60068-2-1:2007 IEC 60068-2-1:2007 MIL-STD 810D, E, F & G Method 502 MIL-STD 331B:1994, Test C6</p> <p>BS 2011:Ca:1977(1987)superseded IEC 68-2-3:1969 superseded Def Stan 00-35:1999 & 2006 Test CL7 Def Stan 07-55:1975 Test B7 BS EN 60068-2-78: Cab:2002 IEC 60068-2-78: Cab:2001</p> <p>BS 2011:Db:1977(1987) & 2005 IEC 60068-2-30:2005 Def Stan 00-35:1999 & 2006 Test CL6 (B1, B2, B3) (Transit and storage conditions) Def Stan 07-55:1975 Test B6, B8 MIL-STD 810D, E and F Method 507 MIL-STD 331B:1994, Test C1 BS3G100:Part 2:Section 3: Sub-Section 3.7:1972(1983) STANAG 2895:1990 Tests (B1, B2, B3) (Transit and storage conditions)</p>



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As listed on Page 1	<p>CLIMATIC (cont'd)</p> <p>Thermal Shock Manual Transfer Max Temp: +95°C Min Temp: -65°C</p> <p>PRESSURE LOW/RAPID</p> <p>DECOMPRESSION Min Pressure: 50 mbar Max Chamber Size: 435 mm dia x 570 mm</p> <p>CORROSION SALT Temp Range: ambient to +35°C Chamber Size: 1.3 m x 0.5 m x 0.5 m</p> <p>WATER SEALING Max depth 1 m for items up to 0.5 m x 0.5 m high</p>	<p>BS3G100:Part 2:Section 3: Sub-Section 3.15:1978(1983) Def Stan 00-35:1999 & 2006 Test CL14 Def Stan 07-55:1975 Test B14 MIL STD 810D, E and F Method 503</p> <p>BS 2011:M:1984 BS EN 60068-2-13:M:1999 IEC 60068-2-13:M:1983 MIL-STD 810D, E and F Method 500 (Procs I and II) BS3G100:Part 2:Section 3: Sub-Section 3.2:1970(1983) Def Stan 00-35:1999 & 2006, Test CL20</p> <p>BS 2011:Ka and Kb BS EN 60068-2-52:Kb:1996 BS EN 60068-2-11:Ka:1999 Def Stan 00-35:1999 & 2006, Test CN2 Def Stan 07-55:1982, Test C2 MIL-STAN810D, E and F Method 509 MIL-STAN 331B:1994, Test C3 BS3G100:Part 2:Sub-Section 3.8: 1977(1983)</p> <p>Def Stan 00-35:1999 & 2006, Test CL29 Def Stan 07-55:1975, Test D5 MIL-STD 810D, E and F Method 512</p>



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As listed on Page 1	<p>DYNAMIC</p> <p>Sinusoidal, random, sine on random, random on random, slip table facility</p> <p>a) ambient temperature (electromagnetic)</p> <p>Frequency Range: 2-2500 Hz Max Peak Thrust: 19.45 kN Max Payload (vertical): 100 kg Max Displacement: 51 mm pk-pk</p> <p>b) High/Low (Standard Chamber)</p> <p>Frequency Range: 2-2500 Hz Max Peak Thrust: 19.45 kN Max Payload (vertical): 100 kg Max Displacement: 51 mm pk-pk Max Temp: +95°C Min Temp: -55°C Chamber Size: 1.4 m x 1.1 m x 1.2 m high Max Peak Thrust: 19.45 kN Max Payload (vertical): 100 kg Max Displacement: 51 mm pk-pk Max Temp: +95°C Min Temp: -65°C Chamber Size: 1.0 m x 1.0 m x 1 m high</p> <p>c) High/Low (Standard Chamber) slip table</p> <p>Frequency Range: 2-2000 Hz Max Peak Thrust: 19.45 kN Max Payload (vertical): 200 kg Max Displacement: 51 mm pk-pk Max Temp: +80°C Min Temp: -50°C Chamber Size: 1.5 m x 1.5 m x 1.0 m high</p> <p>Slip table size: 1.2m x 1.2m</p>	<p>BS EN 60068-2-6:Fc:2008 BS 2011:Fc:1983 superseded BS EN 60068-2-64:Fh:2008 BS 2011:Fd:1973(1984)superseded BS3G100:Part 2:Section 3: Sub-Section 3.1:1969(1983) BS EN 60068-2-64:1995 Def Stan 00-35:1999 & 2006, Tests M1, M2 Def Stan 07-55:1975, Test A1, A2 MIL-STD 810D, E, F & G Method 514 MIL-STD 331B:1994, Tests B1, B2 STANAG 4242:1977</p>



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	END	