Schedule of Accreditation

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United Kingdom Accreditation Service

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Accredited to ISO/IEC 17025:2017

Particle Technology Ltd

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
General Non-explosive stores and equipment including:-	**ENVIRONMENTAL TESTS (Non-explosive Items)**	
Aerospace Structures, Materials and Equipment Agricultural Equipment Computers and Peripherals Domestic Appliances Electrical/Electronic Components, Connectors and Products Electro-Mechanical Devices Telecommunications Equipment Large Shipping Cases Loaded Containers Marine Equipment Mining Equipment Missiles, Missile Sub-Assemblies and Components Motor Vehicle Accessories and Components Office Equipment Packages and Packaging Material Pressure Vessels Radar Equipment Radio and Television Equipment Railway Equipment, Trackside and Rolling Stock Safety Appliances and Equipment Satellites and Sub-Assemblies	**DUST and SAND** Turbulent Dust Max chamber size: 6.0 m x 5.5 m x 4.0 m Driving Dust and Sand Max chamber size (temperature): 3.8 m x 4.0 m x 2.6 m (110 °C) 12.5 m x 6.0 m x 4.0 m (71 °C) Max test section: 300 mm diameter Typical max velocities: 60 m/s with 150 mm duct 30 m/s with 300 mm duct Concentrations: 50 mg/m^3 to 60 g/m^3 Dehumidification: < 20 %RH	DEF STAN 00-35:Part 3:Issue 4 Test CL 25 DEF STAN 00-035:Part 3 Issue 5 Test CL25 DEF STAN 07-55:Part 2 Section 4-1: Test D1 MIL-STD 810D, Method 510.2 MIL-STD 810E, Method 510.3 MIL-STD 810F, Method 510.4 Procedures I and II MIL-STD 810G:2008, Method 510.5 Procedures I and II MIL-STD-810G:2014, Method 510.6 MIL-STD-810H, Method 510.7 Procedures I and II Including CN1 RTCA DO-160F Section 12 RTCA DO-160G Section 12 EN 2591-308:1998 STANAG 4370 AECTP 300 Ed 3 Method 313

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Continued from Page 1 Security Devices and Alarms Shipping Containers and Systems Traffic Signals and Signs, Static and Portable Unit Loads Unitised Loads Weapons and Sub-Assemblies Enclosures/cabinets (all types)	**ENVIRONMENTAL TESTS (Non-explosive Items)** (cont'd) **INGRESS PROTECTION** IP3X Protected against solid objects greater than 2.5 mm diameter IP4X Protected against solid objects greater than 1.0 mm diameter IP5X Dust protected IP5KX Dust Protected IP6X Dust tight IP6KX – Dust tight IPX4 Protected against splashing water IPX5 Protected against water jets IPX6 Protected against powerful water jets IPX6K Protected against powerful water jets with increased pressure IPX7 Protected against the effects of immersion (up to 1m) IPX8 Protected against the effects of submersion	IEC 60529:1989 + Amd 2 2013 BS EN 60529:1992 + A2:2013 ISO 20653:2023 ISO 20653:2013 DIN 40050:Part 9:1993

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
General non-explosive stores and equipment as listed on pages 1 & 2	**CLEANLINESS OF COMPONENTS**	
	Extraction of contaminants by pressure rinsing	ISO 16232:2018 ISO 16232-3:2007 In-house method TM101
	Extraction of contaminants by agitation	ISO 16232:2018 ISO 16232-2:2007 In-house method TM101
	Extraction of contaminants by ultrasonic techniques	ISO 16232:2018 ISO 16232-4:2007 In-house method TM101
	Particle sizing and counting by microscopic analysis	ISO 16232:2018 ISO 16232-7:2007 In-house method TM101
	Particle mass determination by gravimetric analysis	ISO 16232:2018 ISO 16232-6:2007 In-house method TM101

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Air filters for general ventilation	**FILTRATION PERFORMANCE**	
	Pressure drop	BS EN ISO 16890-2:2022 BS EN 779:2012 BS EN 779:2002 (Withdrawn) In-house method TM62
	Filter efficiency	BS EN ISO 16890-2:2022 BS EN 779:2012 BS EN 779:2002 (Withdrawn - see note below) In-house method TM63
	Dust loading	BS EN ISO 16890-3:2024 BS EN ISO 16890-3:2016 BS EN 779:2012 BS EN 779:2002 (Withdrawn - see note below) In-house method TM64
	Discharged filter performance	BS EN ISO 16890-4:2022 BS EN 779:2012 BS EN 779:2002 (Withdrawn - see note below) In-house method TM65 and TM67 Note: Charging of the DEHS aerosol to the Boltzmann equilibrium charge level is not carried out.
END		