


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>Accredited to ISO/IEC 17025:2017</p>	T.A. Savery & Co. Ltd.	
	Issue No: 011 Issue date: 26 October 2021	
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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
Recoverable and non-recoverable energy absorption devices	<p>Static and Quasi-static tests</p> <ul style="list-style-type: none"> - Static and Quasi-static characteristics of buffers, capsules and deformation tubes <p>Press or Actuators: up to 3000kN Compressive up to 1500kN Tension</p> <p>Dynamic tests</p> <ul style="list-style-type: none"> - Endurance testing under buffing load for life-cycle simulation - Bench test endurance testing - Tightness testing <p>Dynamic Impact (Titan Rig): 2 off 30t Mass Impacts up to 20kph</p>	<p>BS EN 15551:2009 + A1:2010 Railway applications. Railway rolling stock.</p> <p>BS EN 15551:2017 Railway applications. Railway rolling stock.</p> <p>BS EN 12663-1:2010+A1:2014 Railway applications. Structural requirements of railway vehicle bodies.</p> <p>BSEN 15227:2008 + A1:2010 Railway applications. Crashworthiness requirements for railway vehicle bodies.</p> <p>In-House Methods: 9-00006-1 Oleo Rail & Industrial Buffer Static Test Performance</p> <p>9-00007-1 Oleo Rail & Industrial Buffer Quasi-Static Test Performance</p> <p>Specifications:- UIC827-1:1990 Technical specification for the supply of elastomer components for buffers.</p>



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Railway Rolling Stock – Draw gear and screw coupling	Static and Quasi-static tests Static characteristics	UIC827-2:1981 Technical specification for the supply of steel rings for buffer springs. In-House-Methods: 9-00084-1 Dynamic Test Procedure. Temperature preconditioning of tests samples when outside the published Standard, issue 1 -60°C to +60°C BSEN 15566:2009 + A1:2010 Draw gear and screw coupling. In-House-Method: Temperature preconditioning of tests samples when outside the published Standard, issue1 -60°C to +60°C



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<p>Rail Friction Shoes and Buffer Stops</p> <p>Elevator buffers</p>	<p>Retardation test</p> <p>Dynamic Drop (free Fall) Scope Extension High Mass 12,00kg Low Mass 380kg Max Height 25m (10m calibrated)</p> <p>Buffer tests:</p> <ul style="list-style-type: none"> - Retardation test - Strength test - Oil leakage test - Plunger return test - Lateral movement 	<p>In-House Methods: 9-00125-1</p> <p>BS EN 81.1:1998 + A3:2009 Safety rules for the construction of lifts. Electric lifts.</p> <p>BS EN 81.2:1998 + A3:2009</p> <p>BS EN 81-20:2014 (Withdrawn) BS EN 81-20:2020</p> <p>BS EN 81-50:2014 (Withdrawn) BS EN 81-20:2020</p> <p>ASME A17.1-2016/CSA B44-16 Safety code for elevators and escalators</p> <p>ASME A17.1 - 2013/CSA B44-13 Safety code for elevators and escalators</p> <p>ASME A17.1. - 2010/CSA B44-10 Safety code for elevators and escalators.</p> <p>GB 7588-2003 Safety code on lift manufacturing and installation.</p> <p>GB 7588-2003+XG1-2015 (TSG T7007-2016)</p> <p>GOSTR53:780-2010</p> <p>Quality Management and Safety Control of Industrial Products, 10961 (2011.07.25)</p> <p>IS 14665 (Part4/Sec 1 to 9): 2001 Electric traction lifts</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Elevator buffers (cont'd)	Buffer tests: <ul style="list-style-type: none">- Retardation test- Strength test- Oil leakage test- Plunger return test- Lateral movement	In-House-Method: Temperature preconditioning of tests samples when outside the published Standard, iss 1 -60°C to +60°C
END		