CERTIFICATE OF ACCREDITATION

In terms of section 22(2) (b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

EXPLOLABS (PTY) LTD

Co. Reg. No.: 1999/027771/07

OLIFANTSFONTEIN

Facility Accreditation Number: **T0104**

is a South African National Accreditation System accredited facility
provided that all conditions and requirements are complied with

This certificate is valid as per the scope as stated in the accompanying schedule of accreditation, Annexure "A", bearing the above accreditation number for

SAFETY AND PERFORMANCE TESTING

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2005

The accreditation demonstrates technical competency for a defined scope and the operation of a quality management system

While this certificate remains valid, the Accredited Facility named above is authorised to use the relevant accreditation symbol to issue facility reports and/or certificates

Mr R Josias
Chief Executive Officer

Effective Date: 01 November 2018
Certificate Expires: 31 October 2023

ANNEXURE A

SCHEDULE OF ACCREDITATION

Facility Number: **T0104**

Permanent Address of Laboratory:

Explolabs (Pty) Ltd
No 7 Spanner Road
Olifantsfontein
Johannesburg
1666

Technical Signatories:

Mr JJ Joubert (All excluding item 1.3; 1.11; 1.16;)
Mr PJ van Niewenhuizen (Item 1.29; 1.30; 1.31; 4.1)
Mr D Maree (Item 1.1; 1.2; 1.3; 1.3; 1.8; 1.14; 1.15; 3.4; 4.1, SANS 60079-11, SANS 60079-25)
Mr WA de Beer (item 1.1; 1.11; 1.16; 4.1)
Mr K Malibe (Item 1.1; 1.2; 3.4; 4.1, SANS 60079-15, SANS 60079-31, SANS 60079-25)
Mr N Retief (SANS 60079:25)
Mr J Lewies Venter (SANS 868-1-1, SANS 868-1-2, 868-1-3)

Postal Address:

PO Box 467
Olifantsfontein
1666

Nominated Representative:

Ms L Maree

Tel: (011) 316 4601
Fax: (011) 316 5670
E-mail: leannam@explolabs.co.za

Issue No.: 30
Date of Issue: 22 October 2018
Expiry Date: 31 October 2023

Materials / Products Tested	Type of Tests / Properties Measured, Range of Measurement	Standard Specifications, Techniques / Equipment Used
Electrical apparatus for explosive gas atmospheres	Item 1.1. Explosive atmospheres Part 0: Equipment - General requirements	SANS 60079-0:2012/IEC 60079-0:2011 (SABS IEC 60079-0)
	Item 1.2. Explosive atmospheres Part 1: Equipment protection by flameproof enclosures “d”	SANS 60079-1:2015/IEC 60079-1:2014 (SABS IEC 60079-1)
	Item 1.3 - Part 2: Equipment protection by pressurized enclosures “p”.	SANS 60079-2:2015/IEC 60079-2:2014 (SABS/IEC 60079-2).
	Item 1.8. Explosive atmospheres Part 7: Equipment protection by increased safety “e”	SANS 60079-7:2007/IEC 60079-7:2006 (SABS IEC 600797) Excluding test for CTI
	Item 1.11. Explosive atmospheres Part 11: Equipment protection by intrinsic safety “I”	SANS 60079-11:2012/IEC 60079-11:2011 (SABS IEC 60079-11)
Electrical apparatus for explosive gas atmospheres	Item 1.14 - Part 15: Construction, test and marking of type of protection "n" electrical apparatus	SANS 60079-15:2010/IEC 60079-15:2010 (SABS IEC 60079-15) Excluding test for CTI
	Item 1.15. Explosive atmospheres Part 18: Equipment protection by encapsulation “m”	SANS 60079-18:2017/IEC 60079-18:2014 (SABS IEC 60079-18)
	Item 1.16 - Part 25: Intrinsically safe systems	SANS 60079-25:2010-Ed 2./IEC 60079-27:2010(SABS/IEC60079-25)

Diesels engine systems Compression ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both	Item 1.29. Hazardous locations in underground mines – Basic explosion protected engines	SANS 868-1-1:2005
	Item 1.30. Hazardous locations in underground mines – Explosion protected engine systems	SANS 868-1-2:2013
	Item 1.31 - Part 1-3: Hazardous locations in the underground mines – Machines.	SANS 868-1-3:2013
	Item 1.32 - Part 4: Non-hazardous locations in underground coal mines.	SANS 868-4:2005
Electrical apparatus for use in the presence of combustible dust	Item 3.1 – Electrical apparatus protected by enclosures and surface temperature limitation – specification for apparatus	SANS 60079-31:2014/IEC 60079-31:2013
	Item 3.4. Degrees of protection provided by enclosures (IP Code)	SANS 60529:2013/IEC 60529:2013 (SABS IEC 60529) Excluding tests for Second characteristic 9
	Item 4.1. Batch sampling and acceptance criteria for explosion protected equipment	SANS 96:2006
	On-Site testing for items 1.29, 1.30, 1.31, 1.32 & 4.1 above.	

Original Date of Accreditation: 01 November 1998

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager