



Reg No: 1999/027771/07

(Pty) Ltd

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**GOVERNMENT APPROVED TEST LABORATORY**

IN TERMS OF ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS"

**IA CERTIFICATE**

Date Issued: **10 October 2022**  
\*Expiry date: **10 October 2032**  
Page 1 of 3  
Issue No.: 0

**Ex – Type Examination Certificate**

Certificate Number: **M-XPL/21.0929X**  
Equipment: **Flameproof Submersible Pump**  
Model / Type: **Varkie S40X**  
Applicant: **Amandla Pumps (Pty) Ltd**  
**10 Venda Road**  
**Sebenza**  
**Edenvale**  
**1609**  
Manufacturer: **Amandla Pumps (Pty) Ltd**  
Serial No: All serial numbers of equipment covered by a valid report or acceptable product certification mark.

Supplied by  
**Amandla Pumps (Pty) Ltd**  
Identified by Inspection Authority number  
**M-XPL/21.0929X**

And as described in the Explolabs file number **XPL/22290/21.0929 Issue 0** is hereby certified "Explosion Protected (Refer to clause 1, for Ex Rating)", having been examined and inspected in accordance with the relevant requirements of South African Standards.

**SANS 60079-0: 2019 Ed 6** Explosive atmospheres Part 0: Equipment — General requirements  
**IEC 60079-0: 2017 Ed 7**

**SANS 60079-1: 2015 Ed 5** Explosive atmospheres Part 1: Equipment protection by flameproof enclosures "d"  
**IEC 60079-1: 2014 Ed 7**

Risk of ignition provided:

Protection afforded	Equipment Protection Level (EPL)	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)
	Group			
High	Mb Group I	Suitable for normal operation and severe operating conditions	Equipment de-energized when explosive atmosphere present	T150°C

*This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided that the apparatus is used as relevant in accordance with:*

- i) SANS 10086 and IEC/SANS 61241-14 requirements as applicable;
- ii) Any conditions mentioned in the above report;
- iii) Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and
- iv) Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.
- v) A revision certificate replaces all previous version of the certificate.

DOCUMENT No: XPL0105	RELEASE DATE: 07/07/2021	REV: 7
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## 5. MARKING

The following (or similar) information have to be clearly and permanently marked on all units:

Supplier : Amandla Pumps (Pty) Ltd  
 Manufacturer : Amandla Pumps (Pty) Ltd  
 Equipment : Flameproof Submersible Pump  
 Model/Type : Varkie S40X  
 Serial No. : ---  
 Ex Rating : Ex db I Mb  
 IA Certificate No : M-XPL/21.0929X

Compiled and Tested by:



**K Malibe**

**Technical Signatory**

**EXPLOLABS EXPLOSION PREVENTION SERVICES**

*This report/certificate shall not be reproduced except in full without the written approval of the company* Explolabs (Pty) Ltd shall not be liable for any losses or damages sustained on account of any failure or omission to properly perform our duties in terms of any contract undertaken by us. This disclaimer is immutable and automatically incorporated in any contract undertaken by us; notwithstanding anything to the contrary, save for the express written waiver of our managing director. By marking the equipment in accordance with the documentation/standard, the manufacturer attests on his own responsibility that the equipment has been constructed in accordance with the applicable requirements of the relevant standards and that the routine verifications and tests have been successfully completed and that the product complies with the documentation and standard(s). The contents of electronic reports/certificates cannot be guaranteed. Original certification documents will be kept on file at Explolabs (Pty) Ltd

Reviewed and Approved by:



**M Lategan**

**Technical Specialist**

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