



# Mining And Surface Certification (Pty) Ltd

(Pty) Ltd: 2015/021934/07

THIS DOCUMENT IS ISSUED IN TERMS OF THE MINE HEALTH AND SAFETY ACT, ACT NO 29 OF 1996 (AND REGULATIONS), THE OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AND REGULATION 17 OF THE ELECTRICAL MACHINERY REGULATIONS

<b>MASC Report No</b>	22-8656	<b>Issue Date</b>	24 November 2022
<b>IA CERTIFICATE</b>	MASC M/21-8381X	*) Batch Report must be read in conjunction with IA Certificate	
<b>Requested by</b>	Vincent Industrial Supplies, 48 Industria Crescent, Extension 25, Witbank, South Africa		
<b>Manufacturer</b>	Vincent Industrial Supplies, 48 Industria Crescent, Extension 25, Witbank, South Africa		
<b>Description</b>	The unit is a handheld rugged smart Phone with approximate dimensions of 172mm x 84.5mm x 17.9mm. The unit is powered by a Li-Po 8000mAh, non-removable battery. The unit's safety components for intrinsic safety are fully encapsulated. The front of the unit houses a screen, camera and speaker. The back of the unit houses a camera, speaker and LED. The unit accommodates for a headpiece, USB, SIM and memory cards. The metallic side strips are manufactured from a material that is in line with the light metal alloy requirements as per SANS 60079-0.		
<b>Equipment</b>	Smart Phone	<b>Type</b>	Conquest S12
<b>Gas Group</b>	Group I	<b>Ex Marking</b>	Ex ia I Ma
<b>Subject:</b> The verification and batch testing of equipment for compliance with original IA Certificate according to: <ul style="list-style-type: none"> <li>SANS 96: 2006 "Batch sampling and acceptance criteria for explosion-protected apparatus (EPA)"</li> </ul> <i>Note: This document covers only the listed standards and does not imply compliance to any other standard, related or inferred. It is up to the manufacturer to ensure that the product complies to all relevant standards for the application.</i>			
<b>Batch Size:</b>	12	<b>Batch Serial No:</b>	1156 to 1167
<b>Sample Size:</b>	3	<b>Sample Serial No:</b>	1162; 1157 and 1167
<b>Identification:</b>	All units must be marked according to the original type approval.		
<b>Assessment Result:</b>	The selected samples were inspected and compared to the original type approval documentation kept on record by MASC (ref no 21-8381). The samples COMPLIED with the evaluated criteria.		
<b>Special conditions of safe use "X":</b> <ul style="list-style-type: none"> <li>Refer to IA certificate</li> </ul>			
<b>Conditions of manufacture:</b> <ul style="list-style-type: none"> <li>Refer to IA certificate</li> </ul>			
<b>Validity of this report:</b>	This report only covers the serial numbers of the equipment listed in this report. Other identical units will only be covered by additional testing/inspection of those serial numbers. Any modification to the equipment, or exceeding its ratings, or using it in another atmosphere as described above, will invalidate this report.		
 <b>D.P. VISSER</b> <b>TECHNICAL SPECIALIST</b>		 <b>N. VILJOEN</b> <b>TECHNICAL OFFICER</b>	
<small>This document will not be supported by MASC for certification purposes outside the borders of South Africa. According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory).</small>			

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While every endeavour is made to ensure that a test / assessment / inspection is representative and accurately performed, and that a report / certificate is accurate in the quoted results and conclusions drawn from the test / assessment / inspection, MASC or its directors/employees shall in no way be liable for any error made in carrying out the test / assessment or for any erroneous statement, whether in fact or in opinion, contained in a report / certificate issued pursuant to a test / assessment / inspection.

MASC takes no responsibility for any non-conformances, exclusions or any results / assessments / inspections not in compliance with the standards. By marking the equipment in accordance with the documentation / standard, the manufacturer / applicant attests on his own responsibility that the equipment / installation has been designed and constructed in accordance with the applicable requirements of the relevant standards and documentation, that the routine verifications / routine tests have been correctly completed and the equipment / installation complies with the documentation and standard(s).

This document is only for use and application in South Africa. It is issued based on National interpretations and accepted practices



Apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:  
 SANS 10086 requirements;  
 Any conditions mentioned in the above certificate;  
 Any relevant requirements of the MHS Act;  
 Any restrictions and conditions enforced by the chief inspector of mines, principal inspector (Group I equipment) or chief inspector of factories (Group II equipment).



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# Mining And Surface Certification (Pty) Ltd

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IN TERMS OF REGULATION 21.17.2 OF THE MINERALS ACT (INCORPORATION THE MINE HEALTH AND SAFETY ACT) AND REGULATION 9 (1) OF THE ELECTRICAL MACHINERY REGULATIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT

<b>IA CERTIFICATE</b>	MASC M/21-8381X	<b>Issue</b>	0
<b>Issue Date</b>	27 July 2021	<b>Expiry Date</b>	27 July 2031
<b>Applicant</b>	Vincent Industrial Supplies, 48 Industria Crescent, Extension 25, Witbank, South Africa		
<b>Manufacturer</b>	Vincent Industrial Supplies, 48 Industria Crescent, Extension 25, Witbank, South Africa		
<b>Description (See "Annex A" below)</b>			
<b>Equipment</b>	Smart Phone	<b>Type</b>	Conquest S12
<b>Photo</b>			
<b>MARKING:</b>	<b>Applicant / Manufacturer</b>	Vincent Industrial Supplies	
	<b>Type</b>	Conquest S12	
	<b>Ex Marking</b>	Ex ia I Ma	
	<b>IA Number</b>	MASC M/21-8381X	
	<b>Serial Number</b>	See "Annex A" below	
	<b>Safety Parameters</b>	N/A	
<b>WARNING(S)</b>	None		
<b>Compliance:</b>			
The equipment as described above and in MASC report <b>19-0686</b> has been allocated the rating <u>Explosion Protected Ex ia I Ma</u> utilizing the SANS/IEC Standards:			
<ul style="list-style-type: none"> <li>SANS (IEC) 60079-0:2012 General requirements</li> <li>SANS (IEC) 60079-11:2012 Intrinsic safety "i"</li> <li>ARP 0108:2014 Regulatory requirements for explosion protected apparatus</li> </ul>			
<b>Special conditions of safe use X:</b>			
<ul style="list-style-type: none"> <li>No additional accessories may be plugged into the unit when in the hazardous area</li> <li>Do not charge the unit in the hazardous area.</li> </ul>			
<b>Conditions of manufacture:</b>			
<ul style="list-style-type: none"> <li>The GSM / RF power must be limited to 500mW when used in a Group I area.</li> </ul>			
 <b>C Welthagen</b> <b>TECHNICAL SPECIALIST</b>		 <b>D.P Visser</b> <b>TECHNICAL SPECIALIST</b>	
<p><b>This certificate only covers the sample submitted and does not cover production units.</b></p> <p>According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory).</p>			

/ANNEX A...



Apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:

- SANS 10086 requirements;
- Any conditions mentioned in the above certificate;
- Any relevant requirements of the MHS Act and code of practice enforced in terms of regulations 21.17.2 of the minerals act;
- Any restrictions and conditions enforced by the chief inspector of mines, principal inspector (Group I equipment) or chief inspector of factories (Group II equipment).

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 Mining And Surface Certification (Pty) Ltd  
 Unit 5 Lelyta Park, 45 Jurg Ave. Hennospark Ext 87  
 Centurion, 0157



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# IA CERTIFICATE: MASC M/21-8381X

## Equipment: Conquest S12

### ANNEX A

Description	Enclosure	Populated	Unpopulated
		General	The unit is a handheld rugged smart Phone with approximate dimensions of 172mm x 84.5mm x 17.9mm. The unit is powered by a Li-Po 8000mAh, non-removable battery. The unit's safety components for intrinsic safety are fully encapsulated. The front of the unit houses a screen, camera and speaker. The back of the unit houses a camera, speaker and LED. The unit accommodates for a headpiece, USB, SIM and memory cards. The metallic side strips are manufactured from a material that is in line with the light metal alloy requirements as per SANS 60079-0
	Dimensions	172mm x 84.5mm x 17.9mm	
	Covers	• N/A	
	Fasteners	• N/A	
	Material	Non-metallic	
	Population	<b>This unit is populated with the following:</b> <ul style="list-style-type: none"> <li>• Cells</li> <li>• Protection PCB</li> <li>• Functional PCB and components</li> </ul>	
<b>Safety Parameters</b>	None		
<b>Standard compliance</b>	See "certificate" above		
<b>Warnings</b>	See "certificate" above		
<b>Conditions of Certification</b>			
<b>Special Conditions of safe use (X)</b>	See "certificate" above		
<b>Conditions of manufacture</b>	See "certificate" above		

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