

**WATER RESOURCES:  
 Microbiology Laboratory**



Name of Customer: Aveng Water  
 Contact Person: Rejoyce Shilongo  
 Address: P.O. Box 110, Pullenshope. 1096  
 Tel: 010 205 1000  
 Date of Analysis: 15/06/2016  
 Date of Issue: 25/07/2016

## Analytical Report

Report No. 160057

Method PMP 1 was used for the concentration and identification of *Cryptosporidium* and *Giardia* in environmental and drinking water samples. The technique is based on the US EPA method 1623.1 and consists of sample concentration, cyst/oocyst separation using immunomagnetic separation (IMS), and microscopic detection using fluorescent antibody (FA) and DAPI staining.

Sample Name	Sample No.	Description of Sample	RESULTS		
			<i>Cryptosporidium</i> oocysts count / 10 ℓ	<i>Giardia</i> cysts count / 10 ℓ	* Enteric Virus count / 10 ℓ
OWRP Reservoir	1	Water	0	0	0
OWRP Mine Feed	2	Water	0	0	0
OWP Hendrina	3	Water	0	0	0

\* Not SANAS Accredited: "Results marked "Not SANAS Accredited" in this report are not included in the SANAS Schedule of Accreditation for this laboratory / certification body / inspection body".

This report relates only to the water samples actually received and tested by the CSIR Natural Resources and the Environment on 03/06/2016. The CSIR does not take any responsibility for any matters arising from further use of these results. This report shall not be reproduced except in full without written approval of the laboratory manager. All work is undertaken according to the CSIR General Conditions of contract.

Date: 25/07/2016

Gerrit Idema:   
 SANAS Approved Technical Signatory