

Tlokwe Water Quality Lab



**Municipality
Umasipala**

Tlokwe Water Quality Lab

Sewage Purification Plant
Viljoen Street
Potchefstroom

**Mmasepala
Munisipaliteit**

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CERTIFICATE OF ANALYSIS

Sample Details

Site : Ventersdorp W3
Ref No: 2016/5/12/20964
Type : Drink Water Chemies

Date : 12-May-2016
Time : 8:00 am
By : Client

Date : 13-May-2016
Time : 8:00 am
By : Liandi
Status : Finalized

Chemical

Determinant	Method	SANS 241 2015	Value	Unit of Measure	Risk
Ammonia as N	H8038	<1.5	0.52	mg/l as N	
Fluoride as F ⁻	H8029	<1.5	0.13	mg/l	
Nitrate	H8171	<11	1.4	mg/l as N	
Iron as Fe	H8008	<2000	10	µg/l	
Manganese as Mn	H8149	<400	12	µg/l	
Magnesium as Mg	APHA 313C		34.2	mg/l	
Hexavalent Chromium	H8023		12	µg/l	
Copper as Cu	H8143	<2000	9	µg/l	
Aluminium as Al	H8012	<300	5	µg/l	
Zinc as Zn	H8009	<5	0.47	mg/l	
Chloride as Cl ⁻	SABS 202	<300	14	mg/l	
Ortho Phosphate	H8178	N/A	0.50	mg/l as P	
Calcium as Ca	APHA 306C		59.2	mg/l	
Total Hardness	APHA 309B		288	mg/l as CaCO ₃	
Sulfate as SO ₄	H8051	<500	0	mg/l	
Nitrite		<0.9	0.003	mg/l	

Physical

Determinant	Method	SANS 241 2015	Value	Unit of Measure	Risk
pH at 25° C	SABS 11:1990	>5 & <9.7	7.35	pH Units	
Conductivity at 25° C	SABS 1057	<170	48.86	mS/m	
Turbidity (aesthetic)	SABS 197	<1	0.311	NTU	

Technical Signature

Date

