



VENTERSDORP LOCAL MUNICIPALITY

SANS 241 REPORT FOR THE YEAR 2015 as extracted from SANAS accredited water Laboratory.

DETERMINAND	UNIT	SANS 241 LIMITS	VENTERSDORP SUPPLY SYSTEM AVERAGE	NUMBER OF SAMPLES	% COMPLIANCE
PHYSICAL, AESTHETIC AND REQUIREMENTS					
Chlorine free	mg/L	5	<0.1	204	100%
Electrical conductivity	mS/m	<150	45	204	100%
Total hardness	mg/LCaCO3	NO LIMIT	150	204	100%
PH	pH units	>5.0 to ≤9.7	7.9	204	100%
Total Dissolved Solids at	mg/L	<1000	180	204	100%
Turbidity	NTU	5	0.2	204	95%
COLOUR	mg/L Pt	<20	<5	204	100%
CHEMICAL - MACRO DETERMINANDS					
Calcium Dissolved	mg/L Ca	<150	33	204	100%
Ammonia	Mg/L		<0.5	204	100%
Chloride	mg/L Cl-	<200	5	204	100%
Fluoride	mg/LF-	<1.0	<0.5	204	100%

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Nitrate	mg/L N	<10	3.1	204	100%
Nitrite	mg/L N	<10	<0.5	204	100%
Sodium Dissolved	mg/L Na	<200	3.1	204	100%
Sulphate	mg/L SO ₄	<400	<0.05	204	100%
Zinc Dissolved	mg/L Zn	<5.0	<0.01	204	100%
Magnesium Dissolved	mg/L Mg	<70	23	204	100%
Aluminum Dissolved	Mg/L Al	<300	<0.01	204	100%
Antimony Dissolved	Mg/L Sb	<10	<0.01	204	100%
Arsenic Dissolved	Mg/L As	<10	<0.01	204	100%
Cadmium Dissolved	Mg/L Cd	<5	<0.005	204	100%
Chromium Total	Mg/L Cr	<100	<0.01	204	100%
Cobalt Dissolved	Mg/L Co	<500	<0.01	204	100%
Copper Dissolved	Mg/L Cu	<1000	<0.01	204	100%
Cyanide Recoverable	Mg/L CN	<50	<0.02	204	100%
Iron Dissolved	Mg/L Fe	<200	<0.10	204	100%
Lead Dissolved	Mg/L Pb	<20	<0.01	204	100%
Manganese Dissolved	Mg/L Mn	<400	<0.10	204	100%
Mercury Dissolved	Mg/L Hg	<100	<0.10	204	100%
Nickel Dissolved	Mg/L Ni	<150	<0.02	204	100%
Selenium Dissolved	Mg/L Se	<20	<0.01	204	100%
Uranium Dissolved	Mg/L U	<15	<0.01	204	100%
Vanadium Dissolved	Mg/L V	<200	<0.01	204	100%
CHEMICAL-ORGANIC AND RELATED DETERMINANDS					
Organic Carbon Total	Mg/L C	<10	<1	204	100%
Phenolic compounds	Mg/L	<10	<0.01	204	100%
MICROBIOLOGICAL DETERMINANDS				204	
Bacteria, coliform	MPN/100 ml	Not detected	Not detected	204	100%
Total coliform	MPN/100 ml	10	8	204	100%
Heterotrophic plate count	cfu/ml	≤1000	60	204	100%

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