

# WATER QUALITY IN PRINCE ALBERT MUNICIPALITY



DESCRIPTION OF TEST	UNIT	STANDARD / STANDARD AS PER SANS 0241	AVERAGE TEST RESULTS FOR PORTABLE WATER TEST SAMPLES AT: GEMIDDELDE TOETSRESULTATE VAN DRINKWATERMONSTERS VIR:																	
			PA -De	PA - LT	PA - NE	PA - New	PA - R1	PA - R2	PA - R3	PA - Raw	PA - UP	PA - Weg	PA - R	PA - G	LG Zone 1	LG Zone 2	LG Zone 3	KL Zone 1	KL Zone 2	KL Zone 3
E.coli	cfu's/100mL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Coliforms	cfu's/100mL	< 10	0	0	0	1	0	0	0		0	0	0	0	0	8	9	1	0	0
Colour	Pt-Co-true	< 15	10	10	10	10	10	10	10	11	11	10	10	10	10	10	10	10	10	10
Electrical Conductivity	m S/m	< 170	7,21	10,43	7,21	8,26	6,98	6,98	9,33	6,79	6,92	125	125	125	256	262	262	218	202	202
pH	p H units	5 - 9.7	6,96	8,56	6,97	7,11	6,74	6,97	7,18	6,6	6,83	7,37	7,46	7,38	7,26	7,28	7,26	7,65	7,6	7,6
Turbidity	NTU	< 5	1,67	1,12	1,65	3,14	1,53	1,43	2,52	1,49	1,67	0,3	1,72	0,3	4,87	0,3	0,3	0,34	0,78	0,78
Total Chlorine	mg/L	< 5	0,05	0,05	0,05	0,06	0,06	0,05	0,03		0,04	2,38	1,91	1,81	0,09	0,05	0,07	0,07	0,05	0,05
Iron as Fe	ug/L	< 300	67,7	76,2	62,9	70	60	66,5	56,5	58,1	69,6	28,1	20	20	20	20	20	20	20	20

## WATER QUALITY AT MUNICIPAL WATER SCHEMES

The Department of Water and Sanitation (DWS) recommends that periodically publish information on the quality of drinking water supplied to consumers. Water quality is measured against Code 0241 as set by the South African National Standards (SANS) for drinking water.

On the accompanying drinking water quality table the average scores attained by Prince Albert Municipality's eighteen point of sampling from August 2022 to April 2023 can be seen. Water samples are collected monthly by an accredited laboratory where different bacteriological, chemical and physical parameters are measured.

Prince Albert Municipality water quality is of an good quality, with 96% of the average results complying with Code 0241 as set by the South African National Standards (SANS) for drinking water. When the drinking water quality does not comply with SANS 0241, corrections are made at the water purification works and in the reticulation network if applicable. The drinking water quality is then retested against the SANS 0241 limits for compliance

## WEES INGELIG OOR WATERKWALITEIT

Die Departement van Water & Sanitasie (DWS) beveel aan dat munisipaliteite van tyd tot tyd inligting ten opsigte van die gehalte van drinkwater publiseer.

Waterkwaliteit word teenoor die Suid-Afrikaanse Nasionale Standaard (SANS) se kode 0241 vir drinkwater gemeet.

Op die tabel hiernaas is die resultate vir die tydperk van August 2022 tot April 2023 se waterkwaliteit-metings vir Prince Albert se agtien water-pent. Watermonsters word maandeliks deur 'n geakkrediteerde laboratoria geneem waar verskillende bakteriologiese, chemiese en fisiese parameters gemeet word.

Daaruit blyk dit dat ons waterkwaliteit van hoogstaande gehalte is, met 96% van die gemiddelde resultate wat aan die Suid-Afrikaanse Nasionale Standaard (SANS) se kode 0241 vir drinkwater voldoen.

In gevalle waar die toetsresultate van die finale drinkwater nie voldoen aan SANS 0241 nie, word daar regstellings by die watersuiweringaanleg en in die water netwerk gedoen. Die finale drinkwater word dan weer getoets om te verseker dat alle parameters wel aan SANS 0241 voldoe

PA - DE = Prince Albert - De Wee Woning

PA - LT = Prince Aberlt - Lower Town (Caravan Park)

PA - NE = Prince Albert Noord End (Ambulance Station)

PA - New = Prince Albert New Reservoir

PA - R1 = Prince Albert Reservoir 1 (Lower Twon)

PA - R2 = Prince Albert Reservoir 2 (Upper Town)

PA - R3 = Prince Albert Reservoir 3 (Noord End)

PA - Raw = Prince Albert Raw Water (Storage Dam 1)

PA - UP = Prince Albert Upper Town (Municipal Office Outside Tap)

PA - Weg = Prince Albert Road - Weg

PA - R = Prince Albert Reservoir

PA - G = Prince Albert Garage

LG Zone 1 = Leeu - Gamka Zone 1 (Kantoor)

LG Zone 2 = Leeu - Gamka Zone 2 (Police Station)

LG Zone 3 = Leeu - Gamka Zone 3 (Du Plessis Woning)

KL Zone 1 = Klarastroom Zone 1 (Reservoir)

KL Zone 2 = Klarastroom Zone 2 ( Old Town House in Main Road)

KL Zone 3 = Klarastroom Zone 3 (Biblioteek)