

Water Analysis Report
Reverse Osmosis Water Use



Customer:	Davis & Shirtliff	Water Use:	Reverse Osmosis Use	Date Received:	6-Jun-17
Address:	PO Box 41762 - 00100 Nairobi, Keny			Analysis Date:	7-Jun-17
Site Name:	Bahari Dhow Beach Vilias	Comments:		Report Date:	9-Jun-17
Contact Person:	Innocent Ombati	Condition:	Clear without Odour	Sample ID:	CD026WA0578

Water Source: B/Hole Water

To maintain the correct history ensure that the next sample sent from this Water Source is labelled: B/Hole Water

History (Last 3 analysis)

Parameter	Unit	Result	Guide Low	Guide High	Low	Optimum	High	Symbol	Current				Method
pH		7.44	6.50	8.40				pH	7.44				Potentiometric
*Electrical Conductivity	mS cm -1	18.0		< 1.50				EC	18.0				Potentiometric
Nitrate N	ppm	2.68		< 15.0				NO3N	2.68				Colorimetric
*Nitrates	ppm	11.9		< 66.0				NO3	11.9				Colorimetric
Ammonium	ppm	0.052		< 5.00				NH4	0.052				Colorimetric
Phosphorus	ppm	0.10		< 0.40				P	0.10				Spectroscopy
*Phosphate	ppm	0.31		< 1.22				PO4	0.31				Spectroscopy
*Potassium	ppm	138		< 20.0				K	138				Spectroscopy
Calcium	ppm	194		< 60.0				Ca	194				Spectroscopy
Magnesium	ppm	322		< 25.0				Mg	322				Spectroscopy
Copper	ppm	< 0.01		< 0.20				Cu	< 0.01				Spectroscopy
Sulphur	ppm	253		< 27.0				S	253				Spectroscopy
Iron	ppm	< 0.01		< 5.00				Fe	< 0.01				Spectroscopy
*Sulphate	ppm	758		< 81.0				SO4	758				Spectroscopy
Zinc	ppm	< 0.01		< 2.00				Zn	< 0.01				Spectroscopy
Manganese	ppm	< 0.01		< 0.20				Mn	< 0.01				Spectroscopy
Boron	ppm	1.33		< 0.60				B	1.33				Spectroscopy
*Sodium	ppm	2560		< 60.0				Na	2560				Spectroscopy
Chlorides	ppm	6670		< 140				Cl	6670				Colorimetric
*Bicarbonate	ppm	244		< 91.0				HCO3	244				Colorimetric
*Carbonate	ppm	< 0.01		< 121				CO3	< 0.01				Titrimetric
*Fluorides	ppm	0.39		< 1.50				Fl	0.39				Colorimetric
*Total dissolved solids	ppm	11300		< 450				TDS	11300				Gravimetric
*Total Suspended Solids	ppm	24.0		< 45.0				TSS	24.0				Filtration
Aluminium	ppm	< 0.07		< 5.00				Al	< 0.07				Spectroscopy
Silicon	ppm	4.03		< 50.0				Si	4.03				Spectroscopy
*Silica	ppm	8.62		< 107				SiO2	8.62				Spectroscopy
Barium	ppm	0.022		< 1.50				Ba	0.022				Spectroscopy
Strontium	ppm	2.65						Sr	2.65				Spectroscopy
*Hardness	ppm	1810		< 300				CaCO3	1810				Calculated
*Turbidity	NTU	2.20		< 5.00				TUB	2.20				Turbidimetry
*Charge Balance		-15.9	-10	10.0				Charge B	-15.9				

Gakobo Jo Lab Manager	Cordingley Jeremy Managing Director	Approval Date: 09/06/2017
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