



Private Bag 13389, Windhoek, Namibia

Tel: (061) 71 2257 Fax: (061) 71 3257

MICROBIOLOGY ANALYSIS REPORT

DETAILS OF SAMPLE

SENDER : Hilaria Kafita
 SAMPLE POINT NAME : Namdeb Allied Services
 DATE SAMPLE TAKEN : 8-Jul-2013
 DATE SAMPLE RECEIVED : 9-Jul-2013

Sample Number	Location Description	Chlorine Reading		Heterotrophic plate count/1 ml after 48h at	Total coliforms count/100 ml after 22h at	Faecal coliform count/100 ml after 22h at	E.coli confirmation test after 24h at	Coliphage / 100ml after 18h at	Remarks
		Free Cl ₂	Total Cl ₂	35°C	35°C	44,5°C	35°C	35°C	
MB 41757	Allied Service office SLC			104	6	Not detected			Group B
MB 41758	Central Kitchen			8	Not detected	Not detected			Group A
MB 41759	Hospital			2	Not detected	Not detected			Group A
MB 41760	Houses 3 - 17 Ave			3	Not detected	Not detected			Group A
MB 41761	Mine Reservoir			3	Not detected	Not detected			Group A
MB 41762	PCC Security Office			19	Not detected	Not detected			Group A
MB 41763	Swartkop Inlet			66	1	Not detected			Group B
MB 41764	Swartkop Outlet			Not detected	Not detected	Not detected			Group A
MB 41765	Town Inlet			Not detected	Not detected	Not detected			Group A
MB 41766	Town Outlet			Not detected	Not detected	Not detected			Group A

Group A water is bacteriologically very safe.

Group B water is bacteriologically still suitable for human consumption.

Group C water is a bacteriological risk for human consumption and requires immediate action of rectification.

Group D water is bacteriologically unsuitable for human consumption.

Note : The microbiological quality of water can easily be controlled through proper disinfection with chlorine.

Namibian Guideline for Drinking Water					
Group	Determinants				
	HPC / 1ml	TC /100 ml	FC /100 ml	E.coli	Coliphage /100ml
A**	100	0	0	0	0
B**	1 000	10	5	0	
C	10 000	100	50	10	
D*	10 000	100	50	10	

* All values greater than the figure indicated

** In 95% of the samples

HPC - Heterotrophic plate count

TC - Total coliform

FC - Faecal coliform

M.Conradie Pr.Sci.Nat.
Senior Technician : Water Quality Services
 12-Jul-13

E. Honga
Manager: Water Quality Services

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