

# TEST REPORT

# SABS

ICE FOR AFRICA GAUTENG  
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## Food and Water Chemistry

PO Number: Jacques18/11/2015  
Contract: 13700  
Our ref: FWC-151006-00008  
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Report No: 4361  
Date: 2015-11-18  
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## Final Report

Date received: 2015-10-06

Date commenced: 2015-10-12

### Sample Details: CFWC-W-151006-0006 (656722)

Sample Condition: FIT\_FOR\_TESTING  
Sample Description: ICE FOR AFRICA  
SANS 241 Water Sample

### Analytical Results

Method Used	Test performed	SANS 241:2015 - Drinking Water Partial - Chemical Tests only.	Results
DPD Comparator	Monochloramine as Cl <sub>2</sub> , mg/L	≤3	<0.1
FWC-5.4-01B	Conductivity at 25°C, mS/m	≤170	18.5
	pH at 25°C	≥5 to ≤9.7	7.3
SANS 2160(B)	Taste, FTN	Inoffensive	Inoffensive
SANS 375 : 2005	Turbidity, NTU	≤5	<0.5
SANS 5213 : 2013	Total Dissolved Solids 180°C, mg/L	≤1200	84
SANS 7887 : 2005	Colour, Pt-Co mg/l	≤15	<10
SM 2150(B)	Odour, TON	Inoffensive	Inoffensive
Colorimetric	Sulphate as SO <sub>4</sub> , mg/L	≤500	17
Continuous Flow Analyser	Cyanide (Recoverable) as CN, µg/L	≤70	<0.005
DPD Comparator	Free Chlorine as Cl <sub>2</sub> , mg/L	≤5	<0.1
ICP MS	Antimony as Sb, mg/L	≤20	<0.0001
	Arsenic as As, mg/L	≤10	0.0006
	Dissolved Mercury as Hg, mg/L	≤6	<0.0001
	Selenium as Se, mg/L	≤10	0.0005
	Uranium as U, µg/L	≤15	<10.0000
	Reading, µg/L		0.000
SANS 11885:2008	Aluminium as Al, µg/L	≤300	<10
	Barium as Ba, mg/L	≤700	<0.002

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SANS 11885:2008	Boron as B, mg/L	≤2400	0.017
	Cadmium as Cd, µg/L	≤3	<3
	Total Chromium as Cr, µg/L	≤50	5.00
	Cobalt as Co, µg/L	≤500	<4
	Copper as Cu, µg/L	≤2000	<10
	Iron as Fe, µg/L	≤300	<10
	Lead as Pb, µg/L	≤10	<4
	Manganese as Mn, µg/L	≤500	<4
	Nickel as Ni, µg/L	≤70	<5
	Vanadium as V, µg/L	≤200	<3
Colorimetric	Ammonia as N, mg/L	≤1.5	1.32
	Chloride as Cl <sub>2</sub> , mg/L	≤300	15.01
	Fluoride as F, mg/L	≤1.5	1.32
	Nitrate as N, mg/L	≤11	<0.22
	Nitrite as N, mg/L	≤0.9	0.01
SANS 11885:2008	Sodium as Na, mg/L	≤200	10.84
	Zinc as Zn, mg/L	≤5	<0.01
Subcontracted Lab T0007	Phenolic Compounds, µg/L	≤10	<10.00
	Bromoform, mg/L	≤0.1	0.000
	Bromodichloromethane, mg/L	≤0.06	0.013
	Dibromochloromethane, mg/L	≤0.1	0.001
	Chloroform, mg/L	≤0.3	0.028
	Trihalomethane, mg/L	Not Specified	0.042
TOC Analyser	Total Organic Carbon as C, mg/L	≤10	3.67
SANS 5221 : 2007	E-coli Bacteria, count/100ml		Not Detected
	Heterotropic Plate Count, count/ml		0
	Total Coliform Bacteria, count/100ml		0

The water sample tested complied to the requirements of SANS 241:2015"Drinking Water".



Jabulile Morobi (Manager)



Sannie Mabe (Senior Test Officer)