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Microbiological Test Report

CONFIDENTIAL

BATCH REFERENCE : 59345

SAMPLE ORIGIN : Ice for Africa Gauteng

ATTENTION : Jacques Maree

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DATE SAMPLED : 22 January 2014

DATE ANALYSED : 23 January 2014

REPORT DATE : 28 January 2014

Sample description:	Ice			
Sampling location:	Ice bin No 7			
Test	Laboratory method	Result	Comment	SANAS Accredited method
Total Plate Count* (cfu/ml)	QPRO 002W	158	Satisfactory	Yes
Total Coliform Count* (cfu/100ml)	QPRO 003W	None detected	Satisfactory	Yes
<i>E.coli</i> * (cfu/100ml)	QPRO 003W	None detected	Satisfactory	Yes
Faecal Coliforms* (cfu/100ml)	QPRO 020W	None detected	Satisfactory	Yes

Sample description:	Surface swabs			
Ice bin no 7 Interior				
Test	Laboratory method	Result	Comment	SANAS Accredited method
Total Plate Count*(cfu/25cm ²)	QPRO 015*	185	Caution	Yes

Sample description:	Hand swabs			
Mario - after wash				
Test	Laboratory method	Result	Comment	SANAS Accredited method
Total Coliform Count * (cfu/25cm ²)	QPRO 003s*	None detected	Satisfactory	Yes
<i>E.coli</i> *(cfu/25cm ²)	QPRO 004s*	None detected	Satisfactory	Yes
<i>Staphylococcus aureus</i> * (cfu/25cm ²)	QPRO 005s*; ISO 6888-1:1999	None detected	Satisfactory	Yes

Test report authorised by:



Macleans C Chimwenye

Deputy Laboratory Manager/Technical Signatory

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QPRO | SAI Global Scoring Guidelines & Methods

Product Category :	Drinking Water	
Opinions and interpretations are made on the basis of these recommended guidelines based on <u>SANS241 part 1</u> and other specs and are outside the scope of SANAS accreditation.		
Test	Laboratory method	Maximum Allowable Limit
Total Plate Count * (cfu/ml)	QPRO 002W	≤ 1 000
Total Coliform Count * (cfu/100ml)	QPRO 003W	≤ 10
<i>Escherichia coli</i> * (cfu/100ml) (<i>E.coli</i>)	QPRO 003W	None detected
<i>Pseudomonas aeruginosa</i> * (cfu/100ml)	QPRO 0016W	None detected
Faecal Coliforms* (cfu/100ml)	QPRO 020W	None detected
QPRO SAI Global RSD_{RC} values: QPRO 002W = 0.02319; QPRO 003W Coliforms = 0.04299; QPRO 003W <i>E.coli</i> = 0.02176; QPRO 016W = 0.02452; QPRO 020W = 0.04077 UM = log₁₀ (c) ± k · RSD_{RC} where k is the appropriate coverage factor =2		

QPRO | SAI Global Scoring Guidelines & Methods (note if a potential food pathogen is isolated the entire sample scores zero) Note that sampling is carried out in accordance with the QPRO | SAI Global Standard Operating Procedure for the Sampling of Foodstuffs and taking swabs during Food Safety/Hygiene Audits Rev 7: 13/06/12 available on request .

Opinions and interpretations are made on the basis of these QPRO | SAI Global recommended scoring guidelines based on various guideline documents available. All opinions and interpretations are outside the scope of SANAS accreditation.

Sample type	Test	Method	Scoring if applicable	Product Category Max Limit (cfu/g)		
				1	2	3
Swab	Total Aerobic Count	QPRO015*	0 - 40 cfu/25cm ² = 10 points 41 - 200 cfu/25cm ² = 5 points >200 cfu/25cm ² = 0 points	Uncooked/Raw Products still to undergo processing	Prepared products/meals intended for human consumption that have not been cooked in entirety (as a complete dish) or undergone any other treatment to reduce microbial load	Prepared products that have been cooked, heat-treated, or pasteurised and are intended for human consumption and ready to eat without any further treatment or cooking
Swab	Coliforms	QPRO003s*	Absent =10 Present = 0			
Swab	<i>Escherichia coli</i>	QPRO004s*	Absent =10 Present = 0			
Swab	<i>Staphylococcus aureus</i>	QPRO005s*	Absent =10 Present = 0			
Food	Total Aerobic Plate Count	QPRO 002; ISO 4833:2003*	Up to max limit 10, else 0	1 000 000	100 000	10 000
Food	Total Coliform Count	QPRO 003; OXOID*	Up to max limit 10, else 0	10 000	100	50
Food	<i>Escherichia coli</i>	QPRO 004; OXOID*	Up to max limit 10, else 0	1 000	Absent	Absent
Food	<i>Staphylococcus aureus</i>	QPRO 005; ISO 6888-1:1999*	Up to max limit 10, else 0	Absent	Absent	Absent
Food	<i>Salmonella spp</i>	QPRO 006*	Absent =10 ; Present = 0	Absent/25g	Absent/25g	Absent/25g
Food	<i>E.coli 0157 including H7</i>	QPRO 007* (based on Singlepath® E.coli 0157 GLISA Rapid Test Method)	Absent =10 Present = 0	Absent/25g	Absent/25g	Absent/25g
Food	<i>Listeria monocytogenes</i>	QPRO 008*	Absent =10 Present = 0	Absent/25g	Absent/25g	Absent/25g
Food	<i>Bacillus cereus</i>	QPRO 009*	Up to max limit 10, else 0	1000	Absent	Absent
Food	Presumptive <i>Vibrio parahaemolyticus</i>	QPRO 10*	Absent =10 Present = 0	Absent/25g	Absent/25g	Absent/25g
Food	Presumptive <i>Vibrio cholerae</i>	QPRO 10	Absent =10 Present = 0	Absent/25g	Absent/25g	Absent/25g
Food	Yeast and Mould	QPRO 011*	Up to max limit 10, else 0	1 000	1 000	100
Food	<i>Clostridium perfringens</i>	QPRO 012*	Up to max limit 10, else 0	Absent	Absent	Absent
Food	<i>Campylobacter spp</i>	QPRO 013*	Absent =10 Present = 0	Absent/25g	Absent/25g	Absent/25g
Food	Presumptive <i>Pseudomonas spp</i>	QPRO 016*	Up to max limit 10, else 0	Absent	Absent	Absent

Test procedures marked * are all SANAS accredited methods. Test procedures not marked * in this report are not included in the SANAS schedule of accreditation for this laboratory.

Report End