



For Attention: James Saunders
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Report number: WCT/21/0062
Report issue date: 2020/08/12
Date Completed: 2020/08/12

Analysis Report

Sample name			JSB sanitiser Saldanha Municipality 35744 2020/07/08			
Sample date			2020/08/06			
Sample container description			Plastic Container			
Submission date			2020/08/06			
Sample type			Sanitizer			
Set Point ID			WCT/21/0062-0001			
Visual inspection			Clear			
Method no	Determinand	Unit				
Parameters						
#	Alcohol Content	% (V/W)	76			

Please Note: N/A: Not applicable RTF : Result to follow *Sub-contracted Analysis

Non SANAS Accredited methods.

Results only relate to the samples tested and are reported on an "as received" basis, unless otherwise specified.

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Results are subject to uncertainty of measurement, which are indicated on the enclosed information sheet.

While every effort is made to provide analysis of the highest accuracy, the liability of Set Point Laboratories is restricted to the cost of the analysis.

Thelma Horsfield

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Technical Signatory

Moses Lelaka

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Technical Signatory

INFORMATION SHEET TO ANALYSIS REPORT

Methods used, tests subcontracted and accredited ranges:

DETERMINAND	Method code	Accredited	Ave. Uncertainty	Technique	Limit of Detection	Analytical range
pH	M460 / M860	Yes	1.3%	Electro-metric	0.3	4-10
Conductivity	M461 / M861	Yes	6.2%	Electro-metric	1 mS/m	1-1000 mS/m
Alkalinity	M463 / M863	Yes	4.2%	Titration	10mg/L CaCO ₃	10 - 1000 mg/L CaCO ₃
Ammonia Nitrogen	M464	Yes	13.1% < 2.6 mg/L >2.4%	Automated Photometric	0.1 mg/L NH ₃ -N	0.1 - 77.6 mg/L NH ₃ -N
Ammonia Nitrogen	M864	Yes	1.8%	Automated Photometric	0.1 mg/L NH ₃ -N	0.1 - 2.0 mg/L NH ₃ -N
Nitrate Nitrogen	M465 / M865	Yes	Calculated from M467 and M466 or M867 and M866	Automated Photometric	0.1mg/L NO ₃ -	Calculated from M467 and M466 / M867 and M866
Nitrite Nitrogen	M466 / M866	Yes	11.8%	Automated Photometric	0.1 mg/L NO ₂ -N	0 - 2 mg/L NO ₂ -N
Nitrate and Nitrate Nitrogen	M467 / M867	Yes	12.5%	Automated Photometric	0.1 mg/L NO ₃ +NO ₂ -N	0.1 - 10 mg/L NO ₃ +NO ₂ -N
Ortho Phosphate	M468 / M868	Yes	7.2%	Automated Photometric	0.1 mg/L o-PO ₄ -P	0.1 - 5 mg/L o-PO ₄ -P
Chloride	M469 / M869	Yes	4.9%	Automated Photometric	3 mg/L Cl	3 - 50 mg/L Cl
Fluoride	M475 / M875	Yes	6.4%	Automated Photometric	0.1 mg/L F	0.1 - 2 mg/L F
Sulphate	M476 / M876	Yes	6.6%	Automated Photometric	3 mg/L SO ₄	3 - 100 mg/L SO ₄
Hexavalent Chromium	M471 / M871	Yes	3.0%	Automated Photometric	0.005 mg/L Cr ⁶⁺	0.005 - 0.2 mg/L Cr ⁶⁺
COD	M462 / M862	Yes	1.3%	Closed reflux/colourmetric	10mg/L O ₂	10-1500mg/L O ₂
Total Suspended Solids	M472 / M872	Yes	6.4%	Gravimetric	10mg/L TSS	10-1500mg/L TSS
Total Dissolved Solids	M473 / M873	Yes	1.5%	Gravimetric	10mg/L TDS	10-1500mg/L TDS
Al	M474 / M874	Yes	3.3%	ICP-OES	0.15 mg/L	0.15 - 15 mg/L
Ag	M474	Yes	0.32 ug/L	ICP-MS	0.50 ug/L	0.50 - 50 ug/L
As	M474 / M874	Yes	3.7 %	ICP-OES	0.10 mg/L	0.10 - 15 mg/L
As	M474	Yes	0.33 ug/L	ICP-MS	0.50 ug/L	0.50 - 50 ug/L
B	M474 / M874	Yes	4.4%	ICP-OES	0.35 mg/L	0.35 - 15 mg/L
Ba	M474 / M874	Yes	3.5 %	ICP-OES	0.01 mg/L	0.01 - 15 mg/L
Ba	M474	Yes	0.30 ug/L	ICP-MS	0.30 ug/L	0.30 - 100 ug/L
Be	M474 / M874	Yes	4.9 %	ICP-OES	0.02 mg/L	0.02 - 15 mg/L
Be	M474	Yes	0.37 ug/L	ICP-MS	0.10 ug/L	0.10 - 50 ug/L
Ca	M474 / M874	Yes	2.7 %	ICP-OES	0.50 mg/L	0.50 - 15 mg/L
Cd	M474 / M874	Yes	4.5 %	ICP-OES	0.02 mg/L	0.02 - 15 mg/L
Cd	M474	Yes	0.36 ug/L	ICP-MS	0.10 ug/L	0.10 - 50 ug/L
Co	M474 / M874	Yes	3.0 %	ICP-OES	0.02 mg/L	0.02 - 15 mg/L
Co	M474	Yes	0.36 ug/L	ICP-MS	0.20 ug/L	0.20 - 50 ug/L
Cr	M474 / M874	Yes	3.0 %	ICP-OES	0.05 mg/L	0.05 - 15 mg/L
Cr	M474	Yes	0.36 ug/L	ICP-MS	3.0 ug/L	3 - 100 ug/L
Cu	M474 / M874	Yes	3.1 %	ICP-OES	0.10 mg/L	0.10 - 15 mg/L
Cu	M474	Yes	0.36 ug/L	ICP-MS	1.0 ug/L	1 - 100 ug/L
Fe	M474 / M874	Yes	3.2 %	ICP-OES	0.10 mg/L	0.10 - 15 mg/L

Hg	M474	Yes	0.04 ug/L	ICP-MS	0.50 ug/L	0.50 - 5 ug/L
K	M474 / M874	Yes	4.2 %	ICP-OES	0.04 mg/L	0.04 - 15 mg/L
Mg	M474 / M874	Yes	2.9 %	ICP-OES	0.05 mg/L	0.05 - 15 mg/L
Mn	M474 / M874	Yes	3.8 %	ICP-OES	0.02 mg/L	0.02 - 15 mg/L
Mn	M474	Yes	0.40 ug/L	ICP-MS	0.25 ug/L	0.25 - 50 ug/L
Mo	M474 / M874	Yes	3.2 %	ICP-OES	0.02 mg/L	0.02 - 15 mg/L
Mo	M474	Yes	0.36 ug/L	ICP-MS	1.0 ug/L	1.0 - 50 ug/L
Na	M474 / M874	Yes	7.7 %	ICP-OES	0.20 mg/L	0.20 - 15 mg/L
Ni	M474 / M874	Yes	3.0 %	ICP-OES	0.02 mg/L	0.02 - 15 mg/L
Ni	M474	Yes	0.33 ug/L	ICP-MS	1.0 ug/L	1.0 - 100 ug/L
Pb	M474 / M874	Yes	3.0 %	ICP-OES	0.05 mg/L	0.05 - 15 mg/L
Pb	M474	Yes	0.37 ug/L	ICP-MS	1.0 ug/L	1.0 - 100 ug/L
Si	M474 / M874	Yes	6.8 %	ICP-OES	0.25 mg/L	0.25 - 15 mg/L
Sb	M474	Yes	0.35 ug/L	ICP-MS	0.50 ug/L	0.50 - 50 ug/L
Se	M474	Yes	0.35 ug/L	ICP-MS	2.0 ug/L	2.0 - 50 ug/L
Sn	M474	Yes	0.41 ug/L	ICP-MS	0.20 ug/L	0.20 - 50 ug/L
Sr	M474 / M874	Yes	5.6 %	ICP-OES	0.01 mg/L	0.01 - 15 mg/L
Sr	M474	Yes	0.32 ug/L	ICP-MS	0.50 ug/L	0.50 - 50 ug/L
Th	M474	Yes	0.35 ug/L	ICP-MS	0.20 ug/L	0.20 - 50 ug/L
Tl	M474	Yes	0.29 ug/L	ICP-MS	0.10 ug/L	0.10 - 50 ug/L
U	M474	Yes	0.30 ug/L	ICP-MS	0.20 ug/L	0.20 - 50 ug/L
V	M474 / M874	Yes	2.9 %	ICP-OES	0.10 mg/L	0.10 - 15 mg/L
V	M474	Yes	0.36 ug/L	ICP-MS	0.20 ug/L	0.20 - 50 ug/L
Zn	M474 / M874	Yes	4.9 %	ICP-OES	0.06 mg/L	0.06 - 15 mg/L

Note: All other tests or elements reported are not accredited unless specified otherwise.

Record: Analysis report information sheet, revision status: 2020-02-28

Compiled and approved by: T Horsfield