



TEST REPORT

CLIENT DETAILS

Contact: Charlene Botha
Client: Affordable Brands
Address: 94, 11th Street
Parkmore
Sandton

Telephone: 011 784 4444
Facsimile: (Not specified)
Email: Charlene@affordable-brands.com
Project: (Not specified)
Order Number: (Not specified)
Samples: 2
Sample matrix: WATER

LABORATORY DETAILS

Laboratory: SGS South Africa (Pty) Limited
Address: 259 Kent Avenue
Ferndale, 2194

Telephone: +27 (0)11 781 5689

Laboratory Manager:
SGS Reference: JB15-06196 R0
Report Number: 0000008715
Date Received: 2015/02/09 02:49:55PM
Date Reported: 2015/02/18 12:27:02PM

COMMENTS

Whilst SGS laboratories conform to ISO/IEC 17025 standards, results of analysis in this report fall outside of the current scope of accreditation.

Please note for the analysis the following steps were taken.

Two pure element, simple matrix standard solutions were prepared:

0.1mg/l Chromium in ultra pure water

0.1mg/l Hexavalent Chromium solution in ultra pure water

500 ml of ultra pure water was passed through each filter to remove any loose or residual Carbon particles. The 500 ml solutions were then each poured through one of the client's filters. The resultant filtrate was then analysed for Chromium and Hexavalent Chromium respectively.

The results in this report is only valid for a portion of 500ml of the respective solutions passed through the filters. Extrapolation of results for larger volumes cannot be deduced from the data in this report, as SGS Environmental Laboratory is unable to determine saturation points of these filters.

SIGNATORIES

Sarah Newton
Technical Consultant/Technical Signatory

Martin Olivier
Operations Manager

ANALYTICAL REPORT

JB15-06196 R0

Report number 000008715

Client reference: (Not specified)

Sample Number	JB15-06196.001	JB15-06196.002
Sample Name	Filter 1 - Cr Test	Filter 2 - Cr6 Test
Sample Matrix	Water	Water

Parameter

Units LOR

Hexavalent Chromium by Discrete Analyser Method: ME-AN-040

Parameter	Units	LOR	Result
Hexavalent Chromium	mg/l	0.09	<0.09

ICP-OES Metals on waters (Dissolved) Method: ME-AN-027 D

Parameter	Units	LOR	Result
Chromium	mg/l	0.002	0.004

METHOD SUMMARY

JB15-06196 R0

Report number 000008715
Client reference: (Not specified)

METHOD METHODOLOGY SUMMARY

ME-AN-027	Dissolved metals are determined on a filtered and acidified (to 1% HNO ₃) portion of aqueous sample by inductively coupled plasma optical emission spectrometry (ICP-OES). The method is based on EPA 200.7 and APHA 3120.
ME-AN-040	Hexavalent chromium, when reacted with diphenylcarbazide in acid solution, produces a red-violet colour which is measured photometrically at wavelength 540 nm.

FOOTNOTES

IS	Insufficient sample for analysis.	QFH	QC result is above the upper tolerance
LNR	Sample listed, but not received.	QFL	QC result is below the lower tolerance
*	This analysis is not covered by the scope of accreditation.	-	The sample was not analysed for this analyte
^	Performed by outside laboratory.		
LOR	Limit of Reporting		
↑↓	Raised or Lowered Limit of Reporting		

Samples analysed as received.
Solid samples expressed on a dry weight basis.

Unless otherwise indicated, samples were received in containers fit for purpose.

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