

TEST REPORT

REPORT NO : 2019CE0254	PAGE : 1 OF 4
This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This Test Report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Managing Director, SIRIM QAS International Sdn. Bhd. Please refer the last page for Conditions Relating to the Use of Test Report.	

THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant : STERLING CIRCLE SDN. BHD.
118B, Jalan Raja Permaisuri Bainun
30250 Ipoh, Perak
MALAYSIA

Manufacturer : STERLING CIRCLE SDN. BHD.
118B, Jalan Raja Permaisuri Bainun,
30250 Ipoh, Perak

Product : Wonderland Carre

Reference Standard / Method of Test : 1) Standard Method for the Examination of Water and Wastewater 2005, 21st Edition Jointly Published by APHA, AWWA and WEF.
2) CEST/TP/AE/In-house 001 for Mercury

Description of sample / Description of Test Specimen : Received one (1) sample for testing. The sample was identified as:
Product Name : Wonderland Carre
Brand : Wonderland
Type : Water Filtration System
Model : WOND-CARRE
Size : 22cm x 22cm x 40cm

Date Received of Complete Application : 14 February 2019

Job No. : J20191400178

Description of Test Results / Overall Test Result : The test results of the submitted test sample are described in Page 2 to Page 4 of this test report.

Issued Date : 04 March 2019

Approved Signatories;

IKM M/1700/3994/99

(ROHAIDAH BINTI IBRAHIM)
Principal Testing Executive



(HAHNAS BINTI MAHBUT)
Head
Chemical & Consumer Section
Testing Services Department

This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This test report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Managing Director, SIRIM QAS International Sdn. Bhd. Please refer the last Page for Conditions Relating To The Use of Test Report

Test Results

Product Name : Wonderland Carre
Brand : Wonderland
Type : Water Filtration System
Model : WOND-CARRE
Size : 22cm x 22cm x 40cm

Sample Collection Procedure

Tap water from Chemical & Consumer Section, Building 16, was passed through the sample. The water after filtration was collected for testing.

No.	Type of Test	Method Used	Requirement under Malaysian Food Act 1983 for Drinking Water ⁽⁴⁾	Test Result
1.	pH ⁽¹⁾	pH meter	6.5 – 8.5	6.9
2.	Residual Chlorine ⁽¹⁾ (as free Cl ₂), mg/L	APHA 4500 – Cl G	Not less than 0.2	0.02

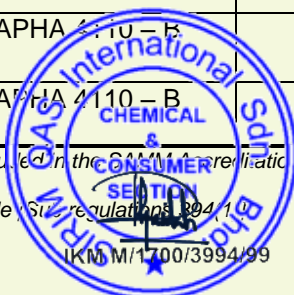
No.	Type of Tests	Method Used	Requirement under Malaysian Food Act 1983 for Drinking Water (maximum allowed) ⁽⁴⁾	Test Results
1.	Colour (True colour unit) ⁽¹⁾	APHA 2120 B	15	Less than 5 ⁽³⁾
2.	Turbidity (NTU)	APHA 2130 B	2	0.02
3.	Total dissolved solids (TDS), mg/L	APHA 2540 C	-	49
4.	Hardness (EDTA) (as CaCO ₃), mg/L	APHA 2340 C	500	33
5.	Ammonia (as N), mg/L ⁽¹⁾	APHA 4500 – NH ₃ C	0.5	0.1
6.	Fluoride (as F ⁻), mg/L	APHA 4110 – B	0.6	0.4
7.	Chloride (as Cl ⁻), mg/L	APHA 4110 – B	250	10
8.	Nitrite (as NO ₂ ⁻), mg/L	APHA 4110 – B	0.2	Less than 0.02 ⁽³⁾
9.	Nitrate (as NO ₃ ⁻), mg/L	APHA 4110 – B	50	6
10.	Phosphate (as PO ₄ ³⁻), mg/L	APHA 4110 – B	-	Less than 0.02 ⁽³⁾
11.	Sulphate (as SO ₄ ²⁻), mg/L	APHA 4110 – B	250	10

⁽¹⁾ Not SAMM Accredited i.e not included in the SAMM Accredited Schedule for our laboratory

⁽³⁾ Limit of Detection

⁽⁴⁾ Standard for Water, 25th A Schedule, SIR regulations 1994, 10

- no limit given



This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This test report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Managing Director, SIRIM QAS International Sdn. Bhd. Please refer the last Page for Conditions Relating To The Use of Test Report

Test Results

Product Name : Wonderland Carre
Brand : Wonderland
Type : Water Filtration System
Model : WOND-CARRE
Size : 22cm x 22cm x 40cm

No.	Type of Tests	Method Used	Requirement under Malaysian Food Act 1983 for Drinking Water (maximum allowed) ⁽⁴⁾	Test Results
12.	Calcium (as Ca), mg/L	APHA 3120 B	-	11.4
13.	Magnesium (as Mg), mg/L	APHA 3120 B	150	1.9
14.	Potassium (as K), mg/L	APHA 3120 B	-	6.7
15.	Sodium (as Na), mg/L	APHA 3120 B	200	6.8
16.	Aluminium (as Al), mg/L	APHA 3120 B	0.2	0.01
17.	Arsenic (as As), mg/L ⁽¹⁾	APHA 3120 B	0.01	Less than 0.001 ⁽³⁾
18.	Barium (as Ba), mg/L	APHA 3120 B	0.7	0.003
19.	Cadmium (as Cd), mg/L	APHA 3120 B	0.003	Less than 0.0002 ⁽³⁾
20.	Chromium (as Cr), mg/L	APHA 3120 B	0.05	Less than 0.001 ⁽³⁾
21.	Copper (as Cu), mg/L	APHA 3120 B	1	Less than 0.002 ⁽³⁾
22.	Iron (as Fe), mg/L	APHA 3120 B	0.3	Less than 0.0004 ⁽³⁾
23.	Lead (as Pb), mg/L	APHA 3120 B	0.01	Less than 0.001 ⁽³⁾
24.	Manganese (as Mn), mg/L	APHA 3120 B	0.1	0.007
25.	Mercury (as Hg), mg/L	CEST/TP/AE/In-house 001	0.001	Less than 0.001 ⁽³⁾
26.	Selenium (as Se), mg/L ⁽¹⁾	APHA 3120 B	0.01	Less than 0.003 ⁽³⁾
27.	Silver (as Ag), mg/L	APHA 3120 B	0.05	Less than 0.002 ⁽³⁾
28.	Zinc (as Zn), mg/L	APHA 3120 B	3	Less than 0.002 ⁽³⁾
29.	Boron (as B), mg/L ⁽¹⁾	APHA 3120 B	0.5	Less than 0.001 ⁽³⁾
30.	Nickel (as Ni), mg/L	APHA 3120 B	0.02	Less than 0.002 ⁽³⁾
31.	Antimony (as Sb), mg/L ⁽¹⁾	APHA 3120 B	0.005	Less than 0.001 ⁽³⁾

⁽¹⁾ Not SAMM Accredited i.e not included in the CONSUMER RELIATION Schedule for our laboratory

⁽³⁾ Limit of Detection

⁽⁴⁾ Standard for Water, 25th A Schedule, SIR regulations 1994, 100

- no limit given



This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This test report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Managing Director, SIRIM QAS International Sdn. Bhd. Please refer the last Page for Conditions Relating To The Use of Test Report

Test Results

Product Name : Wonderland Carre
Brand : Wonderland
Type : Water Filtration System
Model : WOND-CARRE
Size : 22cm x 22cm x 40cm

No.	Type of Tests	Method Used	Requirement under Malaysian Food Act 1983 for Drinking Water (maximum allowed) ⁽⁴⁾	Test Results
1.	Total coliform count per 100 ml (MPN) ⁽¹⁾⁽²⁾	Multiple Tube Method	10	Less than 1.1
2.	<i>Escherichia coli</i> count per 100 ml (MPN) ⁽¹⁾⁽²⁾	Multiple Tube Method	Nil	Nil

Note :

⁽¹⁾ Not SAMM Accredited i.e not included in the SAMM Accreditation Schedule for our laboratory

⁽²⁾ MPN : Most Probable Number

⁽⁴⁾ Standard for Water, 25th A Schedule [Sub regulations 394(1)]



CONDITIONS RELATING TO THE USE OF SIRIM QAS INTERNATIONAL TEST REPORT

1. A Test Report will be issued in respect of Testing Services conducted and shall relate only to the Sample actually tested. SIRIM QAS International makes no warranty whatsoever and the Applicant shall not represent in any manner that any duplication or mass production of the Product is same as the Sample actually tested or that SIRIM QAS International has tested any of the duplicated or mass produced Product.
2. The Test Report shall not be amended, changed, varied or modified in any manner whatsoever by the Applicant or otherwise.
3. If the Test Report is to be furnished to any third party or to the public, each such Test Report shall be furnished in full, legible and in its entirety.
4. The Test Report shall not be reproduced and shall not in any event be used for any advertising purposes or whatsoever without written approval from the Managing Director of SIRIM QAS International of No 1, Persiaran Dato' Menteri, Building 8, Section 2, P.O. Box 7035, 40700 Shah Alam, Selangor Darul Ehsan.
5. Customer (Applicant/Manufacture/Factory, etc.) is not permitted to use any SIRIM QAS International, SIRIM or other SIRIM's subsidiaries logo or words on packaging, sample's manual, technical specification, brochures/flyers or any other means without the prior written approval from the Managing Director of SIRIM QAS International.
6. If such approval is obtained from the Managing Director of SIRIM QAS International, the Applicant may only include the phrase, "A sample of this product has been tested by SIRIM QAS International ... (Test Report No) ... (dated) (for what test) ... (to which standard)" or such similar words which stress that only the Sample was actually tested. This phrase shall only be used for the purpose of product advertisement or product promotion (eg; brochures). For avoidance of doubt, the statement shall not be used on the sample and packaging of the sample.
7. In the event there is an investigation from a Government Regulatory Agency concerning the Applicant's Test Report, SIRIM QAS International may disclose the information pertaining to the Test Report for purposes of such investigation.
8. Further or in the alternative, it is strictly forbidden unless with prior written approval from the Managing Director of SIRIM QAS International, to represent in any manner whatsoever that SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries has endorsed, approved or validated the Product of the Applicant in any manner whatsoever.
9. In the event the Applicant is found in breach of this provision, SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries without prejudice to any other rights and remedies may take whatever action necessary including but not limited to:
 - a) Informing and placing a notice in the media;
 - b) Obtaining an injunction from Court (cost on a solicitor-client basis to be borne by the Applicant);
 - c) Refusing to accept any further Product for Testing Services from the Applicant or whosoever related to the Applicant, whether subsidiary or otherwise;
 - d) Instructing the Applicant to withdraw and recall the advertisement, statement or document in question and advertise a clarification and apology to SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries twice in a national publication of SIRIM QAS International's choice at the Applicant's sole cost; and
 - e) Informing or lodging a report pertaining the Applicant's Test Report with the relevant authorities.
10. Certified true copies of the Test Report may be issued upon request by the Applicant upon payment of the relevant fee.
11. Corrections to test report shall only be allowed within 6 months from issuance date of the test report and shall be limited to maximum 3 times, after either case whichever occurs earlier, a new test report shall be issued and replace the previous one (having error(s) or lack of information). Issuance of Supplementary Report to the original Test Report shall be for the followings;
 - a) Misprints and typo errors
 - b) Missing technical information
 - c) Test data not reported
 - d) Mistake in reporting of test data