

## Test Report

Report No: ASH15-030494-02

Date: Aug 27 2015

Client name: [REDACTED]  
Client address: [REDACTED]  
Sample name: Ultrafiltration Filter for extra low pressure  
Sample Batch No.: PS001  
Product Date: 2015-7-31  
Manufacturer: [REDACTED]

Above information and sample(s) was/were submitted and certified by the client, SGS quoted the information with no responsibility as to the accuracy, adequacy and/or completeness.

SGS Sample No.: ASH15-030494.001  
SGS reference No.: SHAFD1516554000  
Date of sample received: Aug 18 2015  
Testing period: Aug 18 2015 ~ Aug 27 2015

### TEST(S) REQUESTED:

Selected test(s) as requested by applicant: immerse sample into 2950mL exposure water and maintained in dark place for 24h±1h at a temperature of 25℃±5℃. Then the extractant water is collected and analyzed.

### TEST METHOD(S):

Please refer to the next page(s)

### TEST RESULT(S):

Please refer to the next page(s)

This test report is in Chinese and maybe translated into other languages, the Chinese version shall prevail.

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### TEST METHOD(S):

Hygienic safety extraction testing: Refer to MOH Standard for Hygienic Safety Evaluation of Equipment and Protective Materials in Drinking Water Appendix A Test Method of Equipment in Drinking Water.

Color, Turbidity, Odor and taste, Visible substance, pH, Volatile phenolic compounds, Total dissolved solids: GB/T 5750.4-2006 Standard examination methods for drinking water – Organoleptic and physical parameters

Oxygen consumption (count with O<sub>2</sub>): GB/T 5750.7-2006 Standard examination methods for drinking water – Aggregate organic parameters

Arsenic (As), Cadmium (Cd), Aluminum (Al), Lead (Pb), Mercury (Hg), Iron (Fe), Manganese (Mn), Copper (Cu), Zinc (Zn), Silver (Ag): GB/T 5750.6 - 2006 Standard examination methods for drinking water – Metal Parameters Inductively coupled plasma mass spectrometry

Chromium-VI: GB/T 5750.6-2006 Standard examination methods for drinking water – Metal Parameters

Chloroform, Carbon tetrachloride: GB/T 5750.8-2006 Standard examination methods for drinking water – Organic parameters

Fluoride, Nitrate: GB/T 5750.5-2006 Standard examination methods for drinking water–Nonmetal parameters

### TEST RESULT(S):

Test items	Unit(s)	Test methods	Test results			Increased amount		Requirements (Standard for Hygienic Safety Evaluation of Equipment and Protective Materials in Drinking Water)	Single determination
			Extractant water		Control exposure water	Unit 1	Unit 2		
			Unit 1	Unit 2					
Color	Pt-Co color units	GB/T 5750.4-2006	<5	<5	<5	<5	<5	Increased amount ≤5	Conform
Turbidity	NTU	GB/T 5750.4-2006	<0.2	<0.2	<0.2	<0.2	<0.2	Increased amount ≤0.2	Conform
Odor and taste	/	GB/T 5750.4-2006	None	None	None	/	/	No abnormal odor and taste	Conform
Visible substance,	/	GB/T 5750.4-2006	None	None	None	None	None	Absence	Conform
pH	/	GB/T 5750.4-	8.26	8.41	8.44	0.18	0.03	Variation ≤	Conform

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Date: Aug 27 2015

Test items	Unit(s)	Test methods	Test results			Increased amount		Requirements (Standard for Hygienic Safety Evaluation of Equipment and Protective Materials in Drinking Water)	Single determination
			Extractant water		Control exposure water	Unit 1	Unit 2		
			Unit 1	Unit 2					
		2006						0.5	
Total dissolved solids	mg/L	GB/T 5750.4-2006	251	251	264	-13	-13	Increased amount ≤10	Conform
Oxygen consumption (as O <sub>2</sub> )	mg/L	GB/T 5750.7-2006	0.66	0.66	0.66	0	0	Increased amount ≤1	Conform
Arsenic (As)	mg/L	GB/T 5750.6-2006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	Increased amount ≤0.001	Conform
Cadmium (Cd)	mg/L	GB/T 5750.6-2006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	Increased amount ≤0.0005	Conform
Chromium-VI	mg/L	GB/T 5750.6-2006	<0.004	<0.004	<0.004	<0.004	<0.004	Increased amount ≤0.005	Conform
Aluminum (Al)	mg/L	GB/T 5750.6-2006	<0.010	<0.010	<0.010	<0.010	<0.010	Increased amount ≤0.02	Conform
Lead (Pb)	mg/L	GB/T 5750.6-2006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	Increased amount ≤0.001	Conform
Mercury (Hg)	mg/L	GB/T 5750.6-2006	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	Increased amount ≤0.0002	Conform
Iron (Fe)	mg/L	GB/T 5750.6-2006	<0.007	<0.007	<0.007	<0.007	<0.007	Increased amount ≤0.06	Conform
Manganese (Mn)	mg/L	GB/T 5750.6-2006	<0.005	<0.005	<0.005	<0.005	<0.005	Increased amount	Conform

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Test items	Unit(s)	Test methods	Test results			Increased amount		Requirements (Standard for Hygienic Safety Evaluation of Equipment and Protective Materials in Drinking Water)	Single determination
			Extractant water		Control exposure water	Unit 1	Unit 2		
			Unit 1	Unit 2					
								≤0.02	
Copper (Cu)	mg/L	GB/T 5750.6-2006	<0.006	<0.006	<0.006	<0.006	<0.006	Increased amount ≤0.2	Conform
Zinc (Zn)	mg/L	GB/T 5750.6-2006	<0.002	<0.002	<0.002	<0.002	<0.002	Increased amount ≤0.2	Conform
Silver (Ag)	mg/L	GB/T 5750.6-2006	<0.001	<0.001	<0.001	<0.001	<0.001	Increased amount ≤0.005	Conform
Fluoride	mg/L	GB/T 5750.5-2006	0.009	0.009	0.008	0.001	0.001	Increased amount ≤0.1	Conform
Nitrate(as N)	mg/L	GB/T 5750.5-2006	0.008	0.010	0.011	-0.003	-0.001	Increased amount ≤1	Conform
Chloroform	mg/L	GB/T 5750.8-2006	0.0036	0.0038	0.0031	0.0005	0.0007	Increased amount ≤0.006	Conform
Carbon tetrachloride	mg/L	GB/T 5750.8-2006	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	Increased amount ≤0.0002	Conform
Volatile Phenolic Compounds (as phenol)	mg/L	GB/T 5750.4-2006	<0.002	<0.002	<0.002	<0.002	<0.002	Increased amount ≤0.002	Conform

Remark: 1. the test result of control exposure water is obtained from SGS lab.

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## Test Report

Report No: ASH15-030494-02

Date: Aug 27 2015

SAMPLE DESCRIPTION: Ultrafiltration Filter for extra low pressure



\*\*\* End \*\*\*

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## Test Results

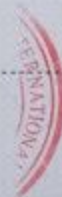
Report ID : MDB7IUGU15973705

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Sample Description and Number	Test Items	Test Results	
U15973705 Water straw 	Total coliform group	Bacteria liquid concentration, CFU/mL	$2.4 \times 10^3$
		Purification of liquid bacteria content, CFU/mL	$3.0 \times 10^2$
		Aseptic rate, %	87.5
	Colonies total	Bacteria liquid concentration, CFU/mL	$2.1 \times 10^5$
		Purification of liquid bacteria content, CFU/mL	$6.9 \times 10^3$
		Aseptic rate, %	96.7

Aseptic rate testing steps: (1) Before the experiment, soaking the filter and water pipe connector with 2000 times diluted  $H_2O_2$  for 20 min; (2) Match the well activated bacteria to bacteria liquid, the colonies total is  $10^5$  CFU/mL, total coliform ground is  $10^3$  CFU/mL; (3) Connecting the filter and water pipe, filtrate the bacteria liquid, after water samples filtered out 100 mL start to collect, the obtained is the Purification of liquid; (4) The plate count method measuring the Purification of liquid bacteria content.

End of Report



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