Test Report

Report No.....:	SHES230100009771	**Issued Date ..2021**	2023-02-17
Applicant's Name.....:			
Manufacturer .....:	Same as applicant		
Factory .....:	Same as applicant		
Laboratory .....:	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. 588 West Jindu Road, Xinqiao, Songjiang, Shanghai 201612, China		
Product Description .....:	Reverse Osmosis Instant Hot Water Dispenser System		
Supplier Model No .....:	WD-K6, WD-KJ600		
Date of Sample Received .:	2023-01-03	**No. of Samples :**	1
Date of Test .....:	2023-01-03 to 2023-02-10		
Test Standard .....:	According to client's requirement		
Test Clause.....:	--		
Conclusion .....:	See below pages		

Remark / Note .....:

1. Test data in this report is only responsible for submitted test samples.
2. The report shall not be reproduced except in full, without approval of the laboratory.
3. The test report takes WD-K6 as the main test model. WD-K6 and WD-KJ600 have identical appearance and materials, and identical production process parameters except for different model (numbering) rules.
4. WD-K6 was tested at 220V, 50 Hz.
5. The test report shall only be used for client's scientific research, teaching, internal quality control, product research and development, etc., and just for client's internal reference.
6. The tests were performed in SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch.

Prepared by: Michael Tang — Michael Tang

Approved by: David Sun

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Technical Data:

Trademark ..... :	Waterdrop
Type of Appliance ..... :	Reverse Osmosis Instant Hot Water Dispenser System
Type / Model ..... :	WD-K6
Rated Voltage (V) ..... :	220-240 V
Rated Current (A) ..... :	6.25 A
Rated Frequency (Hz) ..... :	50 Hz
Rated Power (W) ..... :	1400 W
IP Number ..... :	N/A
Degree of Protection ..... :	N/A

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Table of Results:

The Reverse Osmosis Instant Hot Water Dispenser System (WD-K6) was tested as requested and the following results were obtained：

Test Requested：

Selected test(s) as requested by applicant：

Removal rates of Turbidity, Total dissolved solids (TDS), Arsenic (As), Mercury (Hg), Cadmium (Cd), Lead (Pb), Copper (Cu), Barium (Ba), Selenium (Se), Chromium-VI, Dissolved chlorine residue, Fluoride, Nitrate (as N), Chlorate (ClO_3^-), Perfluorooctane Sulfonate, Perfluorooctanoic acid, at startup of the operating life.

Test Method:

Challenge testing：Refer to client's requirement.

Turbidity, Total dissolved solids (TDS)：GB/T 5750.4-2006 Standard examination methods for drinking water – Organoleptic and physical parameters.

Arsenic (As), Mercury (Hg), Cadmium (Cd), Lead (Pb), Copper (Cu), Barium (Ba), Selenium (Se)：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.

Dissociate chlorine residue, Chlorate (ClO_3^-)：GB/T 5750.11-2006 Standard examination methods for drinking water – Disinfectants parameters.

Fluoride, Nitrate (as N)：GB/T 5750.5-2006 Standard examination methods for drinking water – Nonmetal parameters.

Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic acid (PFOA)：Refer to US EPA 537 Determination of ed perfluorinated alkyl acids in drinking water by solid phase extraction and liquid chromatography/tandem mass spectrometry.

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Test Result(s):

No.	Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s) (%)
				Influent spiked water	Effluent filtrated water	
1	Turbidity	NTU	GB/T 5750.4-2006	11.7	0.08	99
2	Total dissolved solids (TDS)	mg/L	GB/T 5750.4-2006	244	6	98
3	Nitrate (as N)	mg/L	GB/T 5750.5-2006	1.654	0.123	93
4	Fluoride	mg/L	GB/T 5750.5-2006	5.587	0.063	99
5	Dissociate chlorine residue	mg/L	GB/T 5750.11-2006	1.98	<0.01	>99
6	Arsenic (As)	mg/L	GB/T 5750.6-2006	0.1151	0.0014	99
7	Cadmium (Cd)	mg/L	GB/T 5750.6-2006	0.0558	<0.0002	>99
8	Chromium-VI	mg/L	GB/T 5750.6-2006	0.517	<0.004	>99
9	Lead (Pb)	mg/L	GB/T 5750.6-2006	0.1113	<0.0005	>99
10	Mercury (Hg)	mg/L	GB/T 5750.6-2006	0.0686	<0.0002	>99
11	Copper (Cu)	mg/L	GB/T 5750.6-2006	1.001	<0.005	>99
12	Barium (Ba)	mg/L	GB/T 5750.6-2006	1.088	0.014	99
13	Selenium (Se)	mg/L	GB/T 5750.6-2006	0.130	<0.005	>96
14	Chlorate (ClO_3^-)	mg/L	GB/T 5750.11-2006	0.782	<0.005	>99
15	Perfluorooctane Sulfonate (PFOS)	μg/L	US EPA 537	3.26	<0.01	>99
16	Perfluorooctanoic acid (PFOA)	μg/L	US EPA 537	3.00	<0.01	>99

Remark:

1. *Removal rate (%) = (test result of Influent spiked water – test result of Effluent filtrated water) / test result of Influent spiked water x 100%.
2. The flow rate is 1.6 L/min.

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