Clean Environment, Safe Water

Bringing sample

## Korea Environment & Water Works Institute

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### Certificate of Test

Certificate No.		일반-1806068						
Client	Name	HYUNDAI WACORTEC. CO., LTD.						
	Address	A-301, Hagye Technotown, 10, Nowon-ro 15-gil, Nowon-gu, Seoul, Korea						
Date of Receipt		June. 23, 2018	Date of Test	June. 23, 2018 ~ July. 10, 2018				
Test Sample		RO system	Use of Report	Quality Management				
Test method used		① EPA Method 200.7 (2001) ② EPA Method 8270C (1996), 3510C (1996) ③ EPA Method 300.1 (1997) ④ EPA Method 625 ⑤ LLE-GC/MSD ⑥ EPA Method 524.2 (1995)						
Testing Environment Temperature: (24 ~ 25) °C, Relative Humidity: (30 ~ 70) % R.H.								

### Test Results

Itomo	Unit	Result			T11
Items		Tap water	Treated water	Empty filter	Test method
Aluminum	mg/L	0.03	ND	ND	1
Antimony	mg/L	ND	ND	ND	1)
Arsenic	mg/L	ND	ND	ND	1
Barium	mg/L	ND	ND	ND	1)
Beryllium	mg/L	ND	ND	ND	1
Cadmium	mg/L	ND	ND	ND	1)
Chromium	mg/L	ND	ND	ND	1
Copper	mg/L	ND	ND	ND	1
Lead	mg/L	ND	ND	ND	1
Manganese	mg/L	ND	ND	ND	1)
Mercury	mg/L	ND	ND	ND	1
Nickel	mg/L	ND	ND	ND	1)
Selenium	mg/L	ND	ND	ND	1
Tin	mg/L	ND	ND	ND	1
Zinc	mg/L	0.009	ND	ND	1
Benzene	mg/L	ND	ND	ND	6
Carbon tetrachloride	mg/L	ND	ND	ND	6
1,1-Dichloroethylene	mg/L	ND	ND	ND	6
Dichloromethane	mg/L	ND	ND	ND	6
Ethylbenzene	mg/L	ND	ND	ND	6
Tetrachloroethylene	mg/L	ND	ND	ND	6
Toluene	mg/L	ND	ND	ND	6
Total trihalomethane	mg/L	0.0231	ND	ND	6
Bromodichloromethane	mg/L	0.004 83	ND	ND	6
Bromoform	mg/L	ND	ND	ND	6
Chlorodibromomethane	mg/L	0.0012	ND	ND	6
Trichloroethylene	mg/L	ND	ND	ND	6

#### 일반-1806068

lt a m -	Unit mg/L		Result		Test method
Items		Tap water	Treated water	empty filter	
Xylenes		ND	ND	ND	
1,2-Dichloroehtane	mg/L	ND	ND	ND	6
1,2-Dichloropropane	mg/L	ND	ND	ND	6
1,1,2-Trichloroethane	mg/L	ND	ND	ND	6
Styrene	mg/L	ND	ND	ND	6
Vinyl chloride	mg/L	ND	ND	ND	6
Nitrate (as N)	mg/L	1.2	ND	ND	3
Nitrite (as N)	mg/L	ND	ND	ND	3
Nitrate plus Nitrite (as N)	mg/L	1.2	ND	ND	11-77-143
Sulfate	mg/L	11	ND	ND	3
Di-2-ethylhexyl adipate	mg/L	ND	ND	ND	4
Butyl benzyl phthalate	mg/L	ND	ND	ND	4
Di-2-ethylhexyl phthalate	mg/L	ND	ND	ND	4
Di-n-butyl phthalate	mg/L	ND	ND	ND	4
Di-n-octyl phthalate	mg/L	ND	ND	ND	4
Diethyl phthalate	mg/L	ND	ND	ND	4
Dimethyl phthalate	mg/L	ND	ND	ND	4
naphthalene	mg/L	ND	ND	ND	2
acenaphthylene	mg/L	ND	ND	ND	2
acenaphthene	mg/L	ND	ND	ND	2
fluorene	mg/L	ND	ND	ND	2
phenanthrene	mg/L	ND	ND	ND	2
anthracene	mg/L	ND	ND	ND	2
pyrene	mg/L	ND	ND	ND	2
benzo(a)anthracene	mg/L	ND	ND	ND	2
chrysene	mg/L	ND	ND	ND	2
Benzo(b)fluoranthene	mg/L	ND	ND	ND	2
Benzo(k)fluoranthene	mg/L	ND	ND	ND	2
Benzo(a)pyrene	mg/L	ND	ND	ND	2
dibenzo(a,h)anthra-cene	mg/L	ND	ND	ND	2
Benzo(g,h,i)perene	mg/L	ND	ND	ND	2
Indeno(1,2,3-cd)pyrene	mg/L	ND	ND	ND	2
Formaldehyde	mg/L	ND	ND	ND	5
1,4-Dioxane	mg/L	ND	ND	ND	5

\* ND : Not Detected.

\* Test condition: NSF/ANSI 58-2007 Method

\* Result of M9 filter and empty filter: Concentration of tap water minus concentration of exposure water.

Recepted by

Name: Jeong Kyounghoon

Tested by

Name: Wei Younsoo

Technical Manager

Name: Song Minhyoung

July. 10, 2018.

# Korea Environment & Water Works Instituted

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