



# TEST REPORT

Send To: C0001710  
SHANGHAI CANATURE ENVIRONMENTAL PRODUCTS CO.,  
LTD.  
NO. 518, CHUANDA ROAD  
PUDONG NEW AREA  
SHANGHAI, 201200  
CHINA  
Attn: MR. JENSEN WANG

Customer: C0001710  
SHANGHAI CANATURE ENVIRONMENTAL  
PRODUCTS CO., LTD.  
NO. 518, CHUANDA ROAD  
PUDONG NEW AREA  
SHANGHAI, 201200  
CHINA  
Attn: MR. JENSEN WANG

Plant: C0001713  
SHANGHAI CANATURE ENVIRONMENTAL  
PRODUCTS CO., LTD.  
NO. 518, CHUANDA ROAD  
PUDONG NEW AREA  
SHANGHAI, 201200  
CHINA  
Attn: MS. XIAOTONG LIU

Sample Description: Pressure Vessel 5x20 2.5 " inlet  
Test Type: QQ - Qualification Testing

Thank you for having your product tested by NSF.

The enclosed report details the result of the testing performed on your product. Your program representative will be contacting you in the near future if there are any remaining issues concerning the status of this product.

Please do not hesitate to contact us if you have any immediate questions pertaining to your product.

Reviewer:   
Clifton McLellan - Director, Toxicology Services

Status: **Complete**

CC: Program: 0020 - Drinking Water Treatment Units  
Program Rep XIAOBING YUAN  
Region: 03 - Asia  
PA Project: 9026821

**General Information**

Standard: 044 - RESIDENTIAL CATION EXCHANGE WATER SOFTENERS

DCC Number / Tracking ID: PW04680  
 Flushing Time: empty tank twice before operation  
 Maximum Rated Op. Pressure: 150  
 Model Number: Pressure Vessel 5x20 2.5 " inlet  
 On Cycle: 50/50

Sample Id: **S-0000568148**  
 Description: Sample w/o Media tested at pH 8  
 Sampled Date: 10/17/2008  
 Received Date: 09/02/2008

Testing Parameter	Sample	Control	Result	Units
<b>Chemistry Lab</b>				
* Standard 61 Additives LAB SUM TEST Code				
External Note:	1 unit=1 Softener tank. Total of 1 unit exposed in product.			
Semivolatiles Compounds, Base/Neutral/Acid 625 Scan, Data Workup				
No Compounds Detected	ND(4)	Complete	ND(4)	ug/L
Semivolatiles Compounds, Base/Neutral/Acid Target 625, Data Workup				
N-Nitrosodimethylamine	ND(4)	ND(4)	ND(4)	ug/L
N-Nitrosomethylethylamine	ND(4)	ND(4)	ND(4)	ug/L
N-Nitrosodiethylamine	ND(4)	ND(4)	ND(4)	ug/L
1-Methoxy-2-propanol acetate	ND(4)	ND(4)	ND(4)	ug/L
Cyclohexanone	ND(4)	ND(4)	ND(4)	ug/L
Phenol	ND(4)	ND(4)	ND(4)	ug/L
Aniline	ND(4)	ND(4)	ND(4)	ug/L
2-Chlorophenol	ND(4)	ND(4)	ND(4)	ug/L
3-Cyclohexene-1-carbonitrile	ND(4)	ND(4)	ND(4)	ug/L
2-Ethyl-1-hexanol	ND(4)	ND(4)	ND(4)	ug/L
Benzenemethanol (Benzylalcohol)	ND(4)	ND(4)	ND(4)	ug/L
2-Methylphenol (o-Cresol)	ND(4)	ND(4)	ND(4)	ug/L
4-Methylphenol (p-Cresol)	ND(4)	ND(4)	ND(4)	ug/L
N-Nitrosopyrrolidine	ND(4)	ND(4)	ND(4)	ug/L
N-Nitrosodi-n-propylamine	ND(4)	ND(4)	ND(4)	ug/L
1-Phenylethanone (Acetophenone)	ND(4)	ND(4)	ND(4)	ug/L
N-Nitrosomorpholine	ND(4)	ND(4)	ND(4)	ug/L
2-Phenyl-2-propanol	ND(4)	ND(4)	ND(4)	ug/L
N-Nitrosopiperidine	ND(4)	ND(4)	ND(4)	ug/L
Triethylphosphate	ND(4)	ND(4)	ND(4)	ug/L
Isophorone	ND(4)	ND(4)	ND(4)	ug/L
2,4-Dimethylphenol	ND(4)	ND(4)	ND(4)	ug/L
Naphthalene	ND(4)	ND(4)	ND(4)	ug/L
Benzothiazole	ND(4)	ND(4)	ND(4)	ug/L
N-Nitrosodi-n-butylamine	ND(4)	ND(4)	ND(4)	ug/L
p-tert-Butylphenol	ND(4)	ND(4)	ND(4)	ug/L
2-Methylnaphthalene	ND(4)	ND(4)	ND(4)	ug/L
1(3H)-Isobenzofuranone	ND(4)	ND(4)	ND(4)	ug/L

Sample Id: S-0000568148

Testing Parameter	Sample	Control	Result	Units
<b>Chemistry Lab ( Cont'd )</b>				
a,a-Dimethyl-p-isopropylbenzenemethanol	ND(4)	ND(4)	ND(4)	ug/L
1,1'-(1,3-Phenylene)bis ethanone	ND(4)	ND(4)	ND(4)	ug/L
Dimethylphthalate	ND(4)	ND(4)	ND(4)	ug/L
1,1'-(1,4-Phenylene)bis ethanone	ND(4)	ND(4)	ND(4)	ug/L
aaa'a Tetramethyl-1,3-benzenedimethanol	ND(4)	ND(4)	ND(4)	ug/L
Acenaphthylene	ND(4)	ND(4)	ND(4)	ug/L
aaa'a Tetramethyl-1,4-benzenedimethanol	ND(4)	ND(4)	ND(4)	ug/L
2,4-Di-tert-butylphenol	ND(4)	ND(4)	ND(4)	ug/L
Dimethyl terephthalate	ND(4)	ND(4)	ND(4)	ug/L
Acenaphthene	ND(4)	ND(4)	ND(4)	ug/L
Ethyl-4-ethoxybenzoate	ND(4)	ND(4)	ND(4)	ug/L
p-tert-Octylphenol	ND(4)	ND(4)	ND(4)	ug/L
Diethylphthalate	ND(4)	ND(4)	ND(4)	ug/L
Fluorene	ND(4)	ND(4)	ND(4)	ug/L
N-Nitrosodiphenylamine	ND(4)	ND(4)	ND(4)	ug/L
Phenanthrene	ND(4)	ND(4)	ND(4)	ug/L
Anthracene	ND(4)	ND(4)	ND(4)	ug/L
Di-n-butylphthalate	ND(4)	ND(4)	ND(4)	ug/L
Fluoranthene	ND(4)	ND(4)	ND(4)	ug/L
Pyrene	ND(4)	ND(4)	ND(4)	ug/L
Butylbenzylphthalate	ND(4)	ND(4)	ND(4)	ug/L
Benzo(a)anthracene	ND(4)	ND(4)	ND(4)	ug/L
bis(2-Ethylhexyl)phthalate	ND(4)	ND(4)	ND(4)	ug/L
bis(2-Ethylhexyl)adipate	ND(4)	ND(4)	ND(4)	ug/L
Chrysene	ND(4)	ND(4)	ND(4)	ug/L
Di-n-octylphthalate	ND(4)	ND(4)	ND(4)	ug/L
Benzo(b)fluoranthene	ND(4)	ND(4)	ND(4)	ug/L
Benzo(k)fluoranthene	ND(4)	ND(4)	ND(4)	ug/L
Benzo(a)pyrene	ND(4)	ND(4)	ND(4)	ug/L
Dibenzo(a,h)anthracene	ND(4)	ND(4)	ND(4)	ug/L
Indeno(1,2,3-cd)pyrene	ND(4)	ND(4)	ND(4)	ug/L
Benzo(g,h,i)perylene	ND(4)	ND(4)	ND(4)	ug/L
Carbon, Total Organic, SM 5310C, in Water				
Total Organic Carbon	ND(0.1)	ND(0.1)	ND(0.1)	mg/L
Date Analyzed	17-OCT-2008			
Volatiles: Unregulated VOC's by EPA 502.2				
Dichlorodifluoromethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Chloromethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Vinyl Chloride	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Bromomethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Chloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Trichlorofluoromethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Trichlorotrifluoroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L

Sample Id: **S-0000568148**

Testing Parameter	Sample	Control	Result	Units
<b>Chemistry Lab ( Cont'd )</b>				
1,1-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Methylene Chloride	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
trans-1,2-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,1-Dichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
2,2-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
cis-1,2-Dichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Chloroform	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Bromochloromethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,1,1-Trichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,1-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Carbon Tetrachloride	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2-Dichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Trichloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Bromodichloromethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Dibromomethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
cis-1,3-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
trans-1,3-Dichloropropene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,1,2-Trichloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,3-Dichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Tetrachloroethylene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Chlorodibromomethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Chlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,1,1,2-Tetrachloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Bromoform	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,1,2,2-Tetrachloroethane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2,3-Trichloropropane	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,3-Dichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,4-Dichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2-Dichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Carbon Disulfide	ND(1)	ND(1)	ND(1)	ug/L
Methyl-tert-Butyl Ether (MTBE)	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
tert-Butyl ethyl ether	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Methyl Ethyl Ketone	ND(5)	ND(5)	ND(5)	ug/L
Methyl Isobutyl Ketone	ND(5)	ND(5)	ND(5)	ug/L
Toluene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Ethyl Benzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
m+p-Xylenes	ND(1)	ND(1)	ND(1)	ug/L
o-Xylene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Styrene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Isopropylbenzene (Cumene)	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
n-Propylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L

Sample Id: **S-0000568148**

Testing Parameter	Sample	Control	Result	Units
<b>Chemistry Lab ( Cont'd )</b>				
Bromobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
2-Chlorotoluene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
4-Chlorotoluene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,3,5-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
tert-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2,4-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
sec-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
p-Isopropyltoluene (Cymene)	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2,3-Trimethylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
n-Butylbenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2,4-Trichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Hexachlorobutadiene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
1,2,3-Trichlorobenzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Naphthalene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Benzene	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Total Trihalomethanes	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Total Xylenes	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
* Water pH				
pH	8.21	8.18	0.03	

Sample Id: **S-0000568149**  
 Description: Sample w/o Media tested at pH 5  
 Sampled Date: 10/17/2008  
 Received Date: 09/18/2008

Testing Parameter	Sample	Control	Result	Units
<b>Chemistry Lab</b>				
* Standard 61 Additives LAB SUM TEST Code				
External Note:	1 unit=1 Softener tank. Total of 1 unit exposed in product.			
Total Arsenic in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Arsenic	ND(1)	ND(1)	ND(1)	ug/L
Barium in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Barium	ND(1)	ND(1)	ND(1)	ug/L
Beryllium in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Beryllium	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Cadmium in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Cadmium	ND(0.2)	ND(0.2)	ND(0.2)	ug/L
Chromium in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Chromium	ND(1)	ND(1)	ND(1)	ug/L
Copper in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Copper	ND(1)	ND(1)	ND(1)	ug/L
Mercury in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ug/L
Lead in Drinking Water by ICPMS ( Ref: EPA-200.8)				

Sample Id: **S-0000568149**

Testing Parameter	Sample	Control	Result	Units
<b>Chemistry Lab ( Cont'd )</b>				
Lead	ND(1)	ND(1)	ND(1)	ug/L
Antimony in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Antimony	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Selenium in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Selenium	ND(2)	ND(2)	ND(2)	ug/L
Thallium in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Thallium	ND(0.2)	ND(0.2)	ND(0.2)	ug/L

Sample Id: **S-0000568151**

Description: Sample w/o Media tested at pH 10

Sampled Date: 10/17/2008

Received Date: 09/18/2008

Testing Parameter	Sample	Control	Result	Units
<b>Chemistry Lab</b>				
* Standard 61 Additives LAB SUM TEST Code				
External Note:	1 unit=1 Softener tank. Total of 1 unit exposed in product.			
Total Arsenic in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Arsenic	ND(1)	ND(1)	ND(1)	ug/L
Barium in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Barium	ND(1)	ND(1)	ND(1)	ug/L
Beryllium in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Beryllium	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Cadmium in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Cadmium	ND(0.2)	ND(0.2)	ND(0.2)	ug/L
Chromium in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Chromium	ND(1)	ND(1)	ND(1)	ug/L
Copper in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Copper	ND(1)	ND(1)	ND(1)	ug/L
Mercury in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Mercury	ND(0.2)	ND(0.2)	ND(0.2)	ug/L
Lead in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Lead	ND(1)	ND(1)	ND(1)	ug/L
Antimony in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Antimony	ND(0.5)	ND(0.5)	ND(0.5)	ug/L
Selenium in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Selenium	ND(2)	ND(2)	ND(2)	ug/L
Thallium in Drinking Water by ICPMS ( Ref: EPA-200.8)				
Thallium	ND(0.2)	ND(0.2)	ND(0.2)	ug/L

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**Job Notes:**

Status set to "Complete" because trade names are needed for the Liner and Opening and confirmation is needed on all Listing trade names. JD 8.24.08

This report replaces the previously issued report #FI20081029091823.  
This report is being reissued due to a correction in product size.  
This change does not affect the over all complete status of the report.

**Testing Laboratories:**

All work performed at: →

<u>Id</u>	<u>Address</u>
NSF_AA	NSF INTERNATIONAL 789 N. DIXBORO ROAD ANN ARBOR MI 48105

**References to Testing Procedures:**

<u>NSF Reference</u>	<u>Parameter / Test Description</u>
C1031	* Standard 61 Additives LAB SUM TEST Code
C2023	Semivolatile Compounds, Base/Neutral/Acid 625 Scan, Data Workup
C2024	Semivolatile Compounds, Base/Neutral/Acid Target 625, Data Workup
C3035	Total Arsenic in Drinking Water by ICPMS ( Ref: EPA-200.8)
C3038	Barium in Drinking Water by ICPMS ( Ref: EPA-200.8)
C3041	Beryllium in Drinking Water by ICPMS ( Ref: EPA-200.8)
C3046	Cadmium in Drinking Water by ICPMS ( Ref: EPA-200.8)
C3052	Chromium in Drinking Water by ICPMS ( Ref: EPA-200.8)
C3058	Copper in Drinking Water by ICPMS ( Ref: EPA-200.8)
C3071	Mercury in Drinking Water by ICPMS ( Ref: EPA-200.8)
C3100	Lead in Drinking Water by ICPMS ( Ref: EPA-200.8)
C3113	Antimony in Drinking Water by ICPMS ( Ref: EPA-200.8)
C3115	Selenium in Drinking Water by ICPMS ( Ref: EPA-200.8)
C3127	Thallium in Drinking Water by ICPMS ( Ref: EPA-200.8)
C3165	Carbon, Total Organic, SM 5310C, in Water
C4416	Volatiles: Unregulated VOC's by EPA 502.2
C6408	* Water pH

Test descriptions preceded by an asterisk "\*" indicate that testing has been performed per NSF International requirements but is not within its scope of accreditation.