
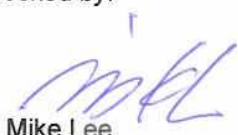


<b>Prüfbericht - Nr.: 113097684</b> <i>Test Report No.:</i>		Seite 1 von 26 <i>Page 1 of 26</i>			
<b>Auftraggeber:</b> <i>Client:</i>		Crystaline Water Master Co., Ltd. No. 956-12, Sec. 3, Songjhu Rd., Beitun District, Taichung City, Taiwan, R.O.C.			
<b>Gegenstand der Prüfung:</b> <i>Test Item:</i>		R.O. System & Water Purifier			
<b>Bezeichnung:</b> <i>Identification:</i>		R.O. System & Water Purifier / CR-001, CR-002, CR-003-1 (with A-24), CR-004, CR-005, CR-006			
<b>Anlieferungszustand:</b> <i>Delivery condition:</i>		<b>Eingangsdatum:</b> <i>Date of Receipt:</i>	01.08.2007 27.09.2007(2 <sup>nd</sup> delivery) 27.11.2007(3 <sup>rd</sup> delivery)		
<b>Prüfort:</b> <i>Testing location:</i>		Nankang Branch, Taipei			
<b>Prüfgrundlage:</b> <i>Test specification:</i>		Directive 2002/95/EC last amended by 2006/692/ EC : Restriction of the Use of Certain Hazardous Substances (RoHS): Total Content of Lead, Cadmium, Mercury, Chromium VI, Polybrominated Biphenyls, Polybrominated Diphenyl Ethers			
<b>Prüfergebnis:</b> <i>Test result:</i>		Pass - based on the randomly performed spot-tests as shown in this report, the submitted sample complies with the requirements of the above mentioned directives. The tested parts were selected by the client.			
<b>geprüft/ tested by:</b>		<b>kontrolliert/ checked by:</b>			
 03.12.2007 Tammy Wang /Reviewer		 03.12.2007 Mike Lee /Reviewer			
<b>Datum</b> <i>Date</i>	<b>Name</b> <i>Name</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>	<b>Name</b> <i>Name</i>	<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges/ Other Aspects:</b>					
- Test period: 02.08.2007 – 13.11.2007 ; 28.11.2007 – 03.12.2007					
- List of difference between various of models					
<b>Model Number</b>		<b>Description</b>			
CR-001		5 stages RO system: with pump			
CR-002		5 stages RO system: without pump			
CR-003-1		5 stages RO system: with pump and mini controller (computer box)			
CR-004		5 stages RO system: with pump and different type of bracket than CR-001			
CR-005		5 stages RO system : with pump and UV sterilizer			
CR-006		5 stages RO system: with pump and Bio ceramic filter (stainless steel cased)			
<b>Abkürzungen:</b> ok / P = entspricht Prüfgrundlage fail / F = entspricht nicht Prüfgrundlage n.a. / N = nicht anwendbar					
<b>Abbreviations:</b> ok / P = passed fail / F = failed n.a. / N = not applicable					
<p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b></p> <p><i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i></p>					

**Produkte**  
*Products*

Test Report No. : 113097684  
 Customer : Crystalline Water Master Co., Ltd.

03.12.2007

**Sample List:**

Part No.	Picture	Description:	ID / Model No.:	Lab.-No.:
		R.O. System & Water Purifier	CR-003-1 (with A-24)	TCL070801-01R
A		FITTING&TUBING	L1-001	
B		UV STERILIZER	N1-001	
C		FILTER CLIP	J1-002	
D		BOOSTER PUMP	M2-008	
E		FILTER	C8-10-001	
F		HOUSING	D1-10-002	
G		MICRO COMPUTER CONTROLLER	M3-007	
H		HIGH&LOW PRESSURE SWITCH	M5-004	
I		SOLENOID VALVE	M4-016	
J		BRACKET	H1-004	
K		BOOSTER PUMP CONVERTER	M1-003	
L		WATER PURIFIER		TCL 070927-19R
M		WIRE STOCK		

**Produkte**  
*Products*

Test Report No. : 113097684  
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03.12.2007





Sample No.	Picture	Part No.	Component	Material	Color
1		A	tubing	plastic	white
2		A	nut	plastic	translucence
3		A	label	polymer	chrome/black
4		B	label	polymer	mirror/blue
5		B	label	polymer	silver/black
6		B	fixer	plastic	black
7		B	housing	plastic	black
8		B	tape (replaced by TCL071127-16R#3)	polymer	yellow
9		B	capacitance cover	plastic	yellow/black
10		B	LED	polymer	transparent green
11		A	nut	plastic	black
12		C	holder	plastic	light yellow
13		C	holder	plastic	white



**Produkte**  
*Products*

Test Report No. : 113097684  
 Customer : Crystalline Water Master Co., Ltd.

03.12.2007

14		A	connect tube	plastic	translucence
15		E	housing	plastic	white
16		A	nut	plastic	light yellow
17		C	holder	plastic	white
18		F	cover	plastic	transparent blue
19		E	membrane	plastic	transparent
20		A	cover	plastic	white
21		G	shrink (replaced by TCL071127-16R#1)	elastomer	black
22		H	covering	plastic	black
23		H	covering	plastic	blue
24		H	cover	plastic	black
25		H	mounting	plastic	black
26		H	covering	plastic	cyan
27		H	covering	plastic	black

**Produkte**  
*Products*














Test Report No. : 113097684  
Customer : Crystalline Water Master Co., Ltd.

03.12.2007

28		I	mounting	plastic	white
29		D	fixer	plastic	black
30		A	connect tube	plastic	white
31		A	nut	plastic	white
32		D	mounting	plastic	black
33		D	cushion	plastic	black
34		D	mounting	plastic	black
35		D	covering	plastic	black
36		K	housing	plastic	black
37		K	tape	polymer	white
38		B	covering (replaced by TCL071127-16R#2)	rubber	black
39		B	washer	elastomer	brown
40		B	shrink	elastomer	black

Test Report No. : 113097684  
 Customer : Crystalline Water Master Co., Ltd.


03.12.2007

41		K	cable insulation	elastomer	black
42		B	cable insulation	elastomer	black
43		K	wrap	elastomer	black
44		F	washer	elastomer	black
45		I	cable insulation	elastomer	orange
46		I	cable insulation	elastomer	white
47		F	washer	elastomer	black
48		G	cable insulation	elastomer	blue
49		G	cable insulation	elastomer	red
50		G	cable insulation	elastomer	green
51		G	cable insulation	elastomer	yellow
52		G	cable insulation	elastomer	orange
53		G	shrink (same as mat. 41)	elastomer	black

**Produkte**  
*Products*

 Test Report No. : 113097684  
 Customer : Crystalline Water Master Co., Ltd.















03.12.2007

54		G	cable insulation	elastomer	black
55		G	cable insulation	elastomer	black
56		I	cable insulation	elastomer	red
57		I	fixer	elastomer	black
58		D	mounting	elastomer	light yellow
59		D	cushion	elastomer	black
60		K	wrap	elastomer	black
61		K	twin adhesive	rubber foam	white
62		E	filter	rubber foam	white
63		I	tape	textile	white
64		B	wrap	polymer	white/black
65		B	nut	metal	metallic
66		B	housing	metal	metallic
67		B	covering	metal	metallic

**Produkte**  
*Products*

 Test Report No. : 113097684  
 Customer : Crystalline Water Master Co., Ltd.

03.12.2007















68		G	ring	metal	green
69		K	pin	metal	metallic
70		J	plate	metal	white
71		J	nut	metal	metallic
72		G	pin	metal	chrome
73		G	pin	metal	metallic
74		I	cover	metal	blue
75		I	slice	metal	blue/white
76		I	screw	metal	chrome
77		I	cylinder	metal	metallic
78		I	spacer	metal	metallic
79		D	cover	metal	metallic
80		D	screw	metal	metallic
81		D	covering	metal	chrome



**Produkte**  
*Products*

Test Report No. : 113097684  
 Customer : Crystalline Water Master Co., Ltd.

03.12.2007

82		D	holder	metal	metallic
83		D	mounting	metal	gray
84		D	screw	metal	metallic
85		D	covering	metal	copper
86		D	frame	metal	metallic
87		D	covering	metal	chrome
88		D	axle	metal	metallic
89		D	slice	metal	metallic
90		D	fixer	metal	black
91		D	magnet	metal	black
92		D	fixer	metal	gray
93		D	covering	metal	chrome
94		J	frame	metal	white
95		J	holder	metal	white

**Produkte**  
*Products*

 Test Report No. : 113097684  
 Customer : Crystalline Water Master Co., Ltd.

03.12.2007

96		E	housing	metal	metallic
97		E	net	metal	metallic
98		B	pin	metal	metallic
99		L	label	polymer	black/white
100		L	button	plastic	red
101		L	upper cap	plastic	black
102		L	mounting	plastic	white
103		L	button	plastic	black
104		L	mounting	plastic	black
105		L	housing	plastic	black
106		L	housing	plastic	black/gold
107		L	cover	plastic	black/white
108		L	spacer	plastic	black
109		L	housing	plastic	black/white





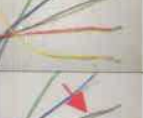
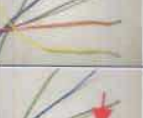

Test Report No. : 113097684  
 Customer : Crystalline Water Master Co., Ltd.

03.12.2007

110		L	tape	polymer	red
111		L	connector mounting	plastic	black
112		L	LCD panel optical sheet A	plastic	white
113		L	LCD panel optical sheet B	plastic	transparent
114		L	LCD panel optical sheet C	plastic	translucent
115		L	patch	plastic	silver
116		L	LCD panel optical sheet D	plastic	grey
117		L	LCD panel optical sheet F	plastic	grey
118		L	housing	plastic	black
119		M	housing	plastic	white
120		M	connector part	plastic	black
121		M	connector part	plastic	black
122		M	cable insulation	elastomer	translucent
123		M	cable insulation	elastomer	gray

Test Report No. : 113097684  
 Customer : Crystalline Water Master Co., Ltd.

03.12.2007

124		M	component	elastomer	white
125		M	shrink	elastomer	black
126		M	cable insulation	elastomer	black
127		M	cable insulation	elastomer	white
128		M	cable insulation	elastomer	purple
129		M	cable insulation	elastomer	red
130		M	cable insulation	elastomer	black
131		M	cable insulation	elastomer	green
132		M	cable insulation	elastomer	blue
133		M	cable insulation	elastomer	coffee
134		M	cable insulation	elastomer	orange
135		M	cable insulation	elastomer	yellow
136		L	chip	polymer	black
137		L	pad	rubber	trans black



**Produkte**  
*Products*

 Test Report No. : 113097684  
 Customer : Crystalline Water Master Co., Ltd.

03.12.2007

138		L	resistor	polymer	blue
139		L	optical sheet E	glass	transparent
140		L	screw	metal	light blue
141		L	pin	metal	metallic
142		L	magnet	metal	black
143		L	wire	metal	pink/blue
144		L	mounting	metal	metallic
145		L	Quartz crystal	metal	metallic
146		L	conductive part	metal	brass
147		L	conductive part	metal	brass
148		L	pin	metal	metallic
149		L	pin	metal	brass
150		L	frame	metal	metallic
151		M	pin	metal	metallic
152		L	bare PCB	composite material	green

**Produkte**  
*Products*

Test Report No. : 113097684 03.12.2007  
 Customer : Crystalline Water Master Co., Ltd.  
 Test Method : XRF – Screening, measurement time 100 s ~400s  
 Instrument: Energy dispersive X-ray fluorescence spectrometer Horiba XGT-5000WR

**1<sup>st</sup> Action: XRF-Screening**

Sample No.		LoQ	1	2	3	4
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	20	n.d.
Bromine (Br)	mg/kg	10	n.d.	n.d.	n.d.	n.d.

Sample No.		LoQ	5	6	7	8
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	12	>200	n.d.

Sample No.		LoQ	9	10	11	12
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	>200	>200	>200	n.d.

Sample No.		LoQ	13	14	15	16
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	36	n.d.	n.d.

**Notes:**

- LoQ : Limit of Quantification
- n.d. : not detected
- n.a. : not applicable
- ED-XRF instrument: Energy dispersive X-ray fluorescence spectrometer Horiba XGT-5000  
XRF Screening: measurement time 100 s

**Produkte**  
*Products*

Test Report No. : 113097684 03.12.2007  
 Customer : Crystalline Water Master Co., Ltd.  
 Test Method : XRF – Screening, measurement time 100 s ~400s  
 Instrument: Energy dispersive X-ray fluorescence spectrometer Horiba XGT-5000WR

Sample No.		LoQ	17	18	19	20
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	n.d.	n.d.	n.d.

Sample No.		LoQ	21	22	23	24
Cadmium (Cd)	mg/kg	20	n.d.	26	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	>200	76	n.d.	>200

Sample No.		LoQ	25	26	27	28
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	47
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	49	n.d.	>200

Sample No.		LoQ	29	30	31	32
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	n.d.	n.d.	n.d.

**Notes:**

- LoQ : Limit of Quantification
- n.d. : not detected
- n.a. : not applicable
- ED-XRF instrument: Energy dispersive X-ray fluorescence spectrometer Horiba XGT-5000  
XRF Screening: measurement time 100 s



**Produkte**  
*Products*

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 Customer : Crystalline Water Master Co., Ltd.  
 Test Method : XRF – Screening, measurement time 100 s ~400s  
 Instrument: Energy dispersive X-ray fluorescence spectrometer Horiba XGT-5000WR

Sample No.		LoQ	33	34	35	36
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	65	69	60	>200

Sample No.		LoQ	37	38	39	40
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	>200	n.d.	35	>200

Sample No.		LoQ	41	42	43	44
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	94	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	n.d.	n.d.	n.d.

Sample No.		LoQ	45	46	47	48
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	n.d.	n.d.	n.d.

**Notes:**

- LoQ : Limit of Quantification
- n.d. : not detected
- n.a. : not applicable
- ED-XRF instrument: Energy dispersive X-ray fluorescence spectrometer Horiba XGT-5000  
XRF Screening: measurement time 100 s



**Produkte**  
*Products*

Test Report No. : 113097684 03.12.2007  
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Sample No.		LoQ	49	50	51	52
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	n.d.	n.d.	n.d.

Sample No.		LoQ	53	54	55	56
Cadmium (Cd)	mg/kg	20	n.d.	21	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	>200	n.d.	n.d.	n.d.

Sample No.		LoQ	57	58	59	60
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	69	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	13	n.d.	n.d.	n.d.

Sample No.		LoQ	61	62	63	64
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	48	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	n.d.	>200	n.d.

**Notes:**

- LoQ : Limit of Quantification
- n.d. : not detected
- n.a. : not applicable
- ED-XRF instrument: Energy dispersive X-ray fluorescence spectrometer Horiba XGT-5000  
XRF Screening: measurement time 100 s

**Produkte**  
*Products*

Test Report No. : 113097684 03.12.2007  
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 Test Method : XRF – Screening, measurement time 100 s ~400s  
 Instrument: Energy dispersive X-ray fluorescence spectrometer Horiba XGT-5000WR

Sample No.		LoQ	99	100	101	102
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	n.d.	>200	>200

Sample No.		LoQ	103	104	105	106
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	n.d.	>200	>200

Sample No.		LoQ	107	108	109	110
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	86	>200	>200

Sample No.		LoQ	111	112	113	114
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	>200	n.d.	n.d.	n.d.

**Notes:**

- LoQ : Limit of Quantification
- n.d. : not detected
- n.a. : not applicable
- ED-XRF instrument: Energy dispersive X-ray fluorescence spectrometer Horiba XGT-5000  
XRF Screening: measurement time 100 s

**Produkte**  
*Products*

Test Report No. : 113097684 03.12.2007  
 Customer : Crystalline Water Master Co., Ltd.  
 Test Method : XRF – Screening, measurement time 100 s ~400s  
 Instrument: Energy dispersive X-ray fluorescence spectrometer Horiba XGT-5000WR

Sample No.		LoQ	115	116	117	118
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	37	n.d.	n.d.	n.d.

Sample No.		LoQ	119	120	121	122
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	n.d.	n.d.	n.d.

Sample No.		LoQ	123	124	125	126
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	n.d.	>200	n.d.

Sample No.		LoQ	127	128	129	130
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	33
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	n.d.	n.d.	11

**Notes:**

- LoQ : Limit of Quantification
- n.d. : not detected
- n.a. : not applicable
- ED-XRF instrument: Energy dispersive X-ray fluorescence spectrometer Horiba XGT-5000  
XRF Screening: measurement time 100 s



**Produkte**  
*Products*

Test Report No. : 113097684 03.12.2007  
 Customer : Crystalline Water Master Co., Ltd.  
 Test Method : XRF – Screening, measurement time 100 s ~400s  
 Instrument: Energy dispersive X-ray fluorescence spectrometer Horiba XGT-5000WR

Sample No.		LoQ	131	132	133	134
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	18	49	n.d.	n.d.

Sample No.		LoQ	135	136	137	138
Cadmium (Cd)	mg/kg	20	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	30	n.d.	n.d.	n.d.	n.d.
Mercury (Hg)	mg/kg	5	n.d.	n.d.	n.d.	n.d.
Chromium (Cr)	mg/kg	10	n.d.	n.d.	n.d.	n.d.
Bromine (Br)	mg/kg	10	n.d.	n.d.	n.d.	>200

Sample No.		LoQ	139
Cadmium (Cd)	mg/kg	20	n.d.
Lead (Pb)	mg/kg	30	n.d.
Mercury (Hg)	mg/kg	5	n.d.
Chromium (Cr)	mg/kg	10	n.d.
Bromine (Br)	mg/kg	10	n.a.

**Notes:**

- LoQ : Limit of Quantification
- n.d. : not detected
- n.a. : not applicable
- ED-XRF instrument: Energy dispersive X-ray fluorescence spectrometer Horiba XGT-5000  
XRF Screening: measurement time 100 s



**Produkte**  
*Products*

Test Report No.	: 113097684	03.12.2007
Customer	: Crystalline Water Master Co., Ltd.	
Test Method	: Lead, Cadmium	- Following US EPA 3052; determination by ICP-OES
	Mercury	- Gold-amalgam enrichment, determination by cold AAS
	Chromium VI	- Following DIN EN 3613/USEPA3060A; determination by UV/Vis
	PBB/PBDE	- Following US EPA 8270C; determination by GC/MS

**2<sup>nd</sup> Action: Confirmation-Analysis**

Sample No.		LoQ	7	9	10	11
Cadmium (Cd)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
Lead (Pb)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
Mercury (Hg)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
Chromium VI (Cr VI)	mg/kg	1	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
PBBs	mg/kg	10	n.d.	n.d.	n.d.	n.d.
PBDE excluding DeBDE	mg/kg	10	n.d.	n.d.	n.d.	n.d.

Sample No.		LoQ	21	24	28	36
Cadmium (Cd)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
Lead (Pb)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
Mercury (Hg)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
Chromium VI (Cr VI)	mg/kg	1	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
PBBs	mg/kg	10	n.d.	n.d.	n.d.	n.d.
PBDE excluding DeBDE	mg/kg	10	11	630	n.d.	n.d.

Sample No.		LoQ	37	40	53	63
Cadmium (Cd)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
Lead (Pb)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
Mercury (Hg)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
Chromium VI (Cr VI)	mg/kg	1	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
PBBs	mg/kg	10	n.d.	n.d.	n.d.	n.d.
PBDE excluding DeBDE	mg/kg	10	n.d.	35	35	34

**Notes:**

- n.d. - not detected
- n.a. - not applicable
- LoQ - Limit of Quantification
- mg/kg is equal to ppm (parts per million)
- Analysis of PBB/PBDE includes the following compounds (BZ#):  
 Brominated Biphenyls: 3, 15, 29, 77, 103, 153, 209  
 Brominated Diphenyl Ethers: 3, 15, 28, 47, 99, 154, 183, 203, 206, 209
- <sup>1)</sup>: Test covered by 1<sup>st</sup> action procedure

**Produkte**  
*Products*

Test Report No.	: 113097684	03.12.2007
Customer	: Crystalline Water Master Co., Ltd.	
Test Method	: Lead, Cadmium	- Following US EPA 3052; determination by ICP-OES
	Mercury	- Gold-amalgam enrichment, determination by cold AAS
	Chromium VI	- Following DIN EN 3613/USEPA3060A; determination by UV/Vis
	PBB/PBDE	- Following US EPA 8270C; determination by GC/MS

Sample No.		LoQ	65	66	67	68
Cadmium (Cd)	mg/kg	2	41	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2	<b>28000*</b>	27	n.d.	180
Mercury (Hg)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Chromium VI (Cr VI)	mg/kg	1	n.d.	n.d.	n.d.	n.d.
PBBs	mg/kg	10	n.a.	n.a.	n.a.	n.a.
PBDE excluding DeBDE	mg/kg	10	n.a.	n.a.	n.a.	n.a.

Sample No.		LoQ	69	70	71	72
Cadmium (Cd)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2	<b>16000*</b>	42	42	9
Mercury (Hg)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Chromium VI (Cr VI)	mg/kg	1	n.d.	n.d.	n.d.	n.d.
PBBs	mg/kg	10	n.a.	n.a.	n.a.	n.a.
PBDE excluding DeBDE	mg/kg	10	n.a.	n.a.	n.a.	n.a.

Sample No.		LoQ	73	74	75	76
Cadmium (Cd)	mg/kg	2	5	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2	66	48	n.d.	43
Mercury (Hg)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Chromium VI (Cr VI)	mg/kg	1	n.d.	n.d.	n.d.	n.d.
PBBs	mg/kg	10	n.a.	n.a.	n.a.	n.a.
PBDE excluding DeBDE	mg/kg	10	n.a.	n.a.	n.a.	n.a.

**Notes:**

- n.d. - not detected
- n.a. - not applicable
- LoQ - Limit of Quantification
- mg/kg is equal to ppm (parts per million)
- Analysis of PBB/PBDE includes the following compounds (BZ#):  
 Brominated Biphenyls: 3, 15, 29, 77, 103, 153, 209  
 Brominated Diphenyl Ethers: 3, 15, 28, 47, 99, 154, 183, 203, 206, 209
- <sup>1)</sup>: Test covered by 1<sup>st</sup> action procedure
- \* - Part is made of copper alloy; according to annex 6 of 2002/95/EC, the maximum permissible level of lead in copper alloy is 4%(w/w).

**Produkte**  
*Products*

Test Report No.	: 113097684	03.12.2007
Customer	: Crystalline Water Master Co., Ltd.	
Test Method	: Lead, Cadmium	- Following US EPA 3052; determination by ICP-OES
	Mercury	- Gold-amalgam enrichment, determination by cold AAS
	Chromium VI	- Following DIN EN 3613/USEPA3060A; determination by UV/Vis
	PBB/PBDE	- Following US EPA 8270C; determination by GC/MS

Sample No.		LoQ	77	78	79	80
Cadmium (Cd)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2	n.d.	42	43	39
Mercury (Hg)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Chromium VI (Cr VI)	mg/kg	1	n.d.	n.d.	n.d.	n.d.
PBBs	mg/kg	10	n.a.	n.a.	n.a.	n.a.
PBDE excluding DeBDE	mg/kg	10	n.a.	n.a.	n.a.	n.a.

Sample No.		LoQ	81	82	83	84
Cadmium (Cd)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2	40	41	220	92
Mercury (Hg)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Chromium VI (Cr VI)	mg/kg	1	n.d.	n.d.	n.d.	n.d.
PBBs	mg/kg	10	n.a.	n.a.	n.a.	n.a.
PBDE excluding DeBDE	mg/kg	10	n.a.	n.a.	n.a.	n.a.

Sample No.		LoQ	85	86	87	88
Cadmium (Cd)	mg/kg	2	4	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2	140	35	79	43
Mercury (Hg)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Chromium VI (Cr VI)	mg/kg	1	n.d.	n.d.	n.d.	n.d.
PBBs	mg/kg	10	n.a.	n.a.	n.a.	n.a.
PBDE excluding DeBDE	mg/kg	10	n.a.	n.a.	n.a.	n.a.

**Notes:**

- n.d. - not detected
- n.a. - not applicable
- LoQ - Limit of Quantification
- mg/kg is equal to ppm (parts per million)
- Analysis of PBB/PBDE includes the following compounds (BZ#):  
 Brominated Biphenyls: 3, 15, 29, 77, 103, 153, 209  
 Brominated Diphenyl Ethers: 3, 15, 28, 47, 99, 154, 183, 203, 206, 209



**Produkte**  
*Products*

Test Report No.	: 113097684	03.12.2007
Customer	: Crystalline Water Master Co., Ltd.	
Test Method	: Lead, Cadmium	- Following US EPA 3052; determination by ICP-OES
	Mercury	- Gold-amalgam enrichment, determination by cold AAS
	Chromium VI	- Following DIN EN 3613/USEPA3060A; determination by UV/Vis
	PBB/PBDE	- Following US EPA 8270C; determination by GC/MS

Sample No.		LoQ	89	90	91	92
Cadmium (Cd)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2	40	75	33	37
Mercury (Hg)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Chromium VI (Cr VI)	mg/kg	1	n.d.	n.d.	n.d.	n.d.
PBBs	mg/kg	10	n.a.	n.a.	n.a.	n.a.
PBDE excluding DeBDE	mg/kg	10	n.a.	n.a.	n.a.	n.a.

Sample No.		LoQ	93	94	95	96
Cadmium (Cd)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2	36	37	41	n.d.
Mercury (Hg)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Chromium VI (Cr VI)	mg/kg	1	n.d.	n.d.	n.d.	n.d.
PBBs	mg/kg	10	n.a.	n.a.	n.a.	n.a.
PBDE excluding DeBDE	mg/kg	10	n.a.	n.a.	n.a.	n.a.

Sample No.		LoQ	97	98	101	102
Cadmium (Cd)	mg/kg	2	n.d.	21	- <sup>1)</sup>	- <sup>1)</sup>
Lead (Pb)	mg/kg	2	n.d.	<b>31000*</b>	- <sup>1)</sup>	- <sup>1)</sup>
Mercury (Hg)	mg/kg	2	n.d.	n.d.	- <sup>1)</sup>	- <sup>1)</sup>
Chromium VI (Cr VI)	mg/kg	1	n.d.	n.d.	- <sup>1)</sup>	- <sup>1)</sup>
PBBs	mg/kg	10	n.a.	n.a.	n.d.	n.d.
PBDE excluding DeBDE	mg/kg	10	n.a.	n.a.	n.d.	n.d.

**Notes:**

- n.d. - not detected
- n.a. - not applicable
- LoQ - Limit of Quantification
- mg/kg is equal to ppm (parts per million)
- Analysis of PBB/PBDE includes the following compounds (BZ#):  
 Brominated Biphenyls: 3, 15, 29, 77, 103, 153, 209  
 Brominated Diphenyl Ethers: 3, 15, 28, 47, 99, 154, 183, 203, 206, 209
- \* - Part is made of copper alloy; according to annex 6 of 2002/95/EC, the maximum permissible level of lead in copper alloy is 4%(w/w).



**Produkte**  
*Products*

Test Report No.	: 113097684	03.12.2007
Customer	: Crystalline Water Master Co., Ltd.	
Test Method	: Lead, Cadmium	- Following US EPA 3052; determination by ICP-OES
	Mercury	- Gold-amalgam enrichment, determination by cold AAS
	Chromium VI	- Following DIN EN 3613/USEPA3060A; determination by UV/Vis
	PBB/PBDE	- Following US EPA 8270C; determination by GC/MS

Sample No.		LoQ	105	106	109	110
Cadmium (Cd)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
Lead (Pb)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
Mercury (Hg)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
Chromium VI (Cr VI)	mg/kg	1	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>
PBBs	mg/kg	10	n.d.	n.d.	n.d.	n.d.
PBDE excluding DeBDE	mg/kg	10	n.d.	n.d.	27	n.d.

Sample No.		LoQ	111	125	138	140
Cadmium (Cd)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	n.d.
Lead (Pb)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	44
Mercury (Hg)	mg/kg	2	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	n.d.
Chromium VI (Cr VI)	mg/kg	1	- <sup>1)</sup>	- <sup>1)</sup>	- <sup>1)</sup>	n.d.
PBBs	mg/kg	10	n.d.	n.d.	n.d.	n.a.
PBDE excluding DeBDE	mg/kg	10	n.d.	28	n.d.	n.a.

Sample No.		LoQ	141	142	143	144
Cadmium (Cd)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2	20	25	15	79
Mercury (Hg)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Chromium VI (Cr VI)	mg/kg	1	n.d.	n.d.	n.d.	n.d.
PBBs	mg/kg	10	n.a.	n.a.	n.a.	n.a.
PBDE excluding DeBDE	mg/kg	10	n.a.	n.a.	n.a.	n.a.

**Notes:**

- n.d. - not detected
- n.a. - not applicable
- LoQ - Limit of Quantification
- mg/kg is equal to ppm (parts per million)
- Analysis of PBB/PBDE includes the following compounds (BZ#):  
 Brominated Biphenyls: 3, 15, 29, 77, 103, 153, 209  
 Brominated Diphenyl Ethers: 3, 15, 28, 47, 99, 154, 183, 203, 206, 209

**Produkte**  
*Products*

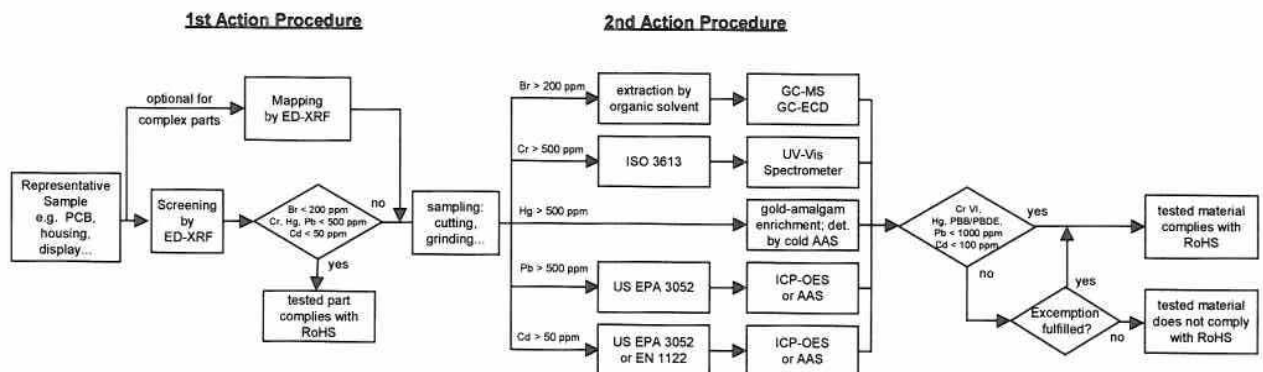
Test Report No.	: 113097684	03.12.2007
Customer	: Crystalline Water Master Co., Ltd.	
Test Method	: Lead, Cadmium	- Following US EPA 3052; determination by ICP-OES
	Mercury	- Gold-amalgam enrichment, determination by cold AAS
	Chromium VI	- Following DIN EN 3613/USEPA3060A; determination by UV/Vis
	PBB/PBDE	- Following US EPA 8270C; determination by GC/MS

Sample No.		LoQ	145	146	147	148
Cadmium (Cd)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2	87	n.d.	40	34
Mercury (Hg)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Chromium VI (Cr VI)	mg/kg	1	n.d.	n.d.	n.d.	n.d.
PBBs	mg/kg	10	n.a.	n.a.	n.a.	n.a.
PBDE excluding DeBDE	mg/kg	10	n.a.	n.a.	n.a.	n.a.

Sample No.		LoQ	149	150	151	152
Cadmium (Cd)	mg/kg	2	2	n.d.	n.d.	n.d.
Lead (Pb)	mg/kg	2	19	n.d.	21	n.d.
Mercury (Hg)	mg/kg	2	n.d.	n.d.	n.d.	n.d.
Chromium VI (Cr VI)	mg/kg	1	n.d.	n.d.	n.d.	n.d.
PBBs	mg/kg	10	n.a.	n.a.	n.a.	n.d.
PBDE excluding DeBDE	mg/kg	10	n.a.	n.a.	n.a.	n.d.

**Notes:**

- n.d. - not detected
- n.a. - not applicable
- LoQ - Limit of Quantification
- mg/kg is equal to ppm (parts per million)
- Analysis of PBB/PBDE includes the following compounds (BZ#):  
 Brominated Biphenyls: 3, 15, 29, 77, 103, 153, 209  
 Brominated Diphenyl Ethers: 3, 15, 28, 47, 99, 154, 183, 203, 206, 209



--- End of Test-Report ---