

| Model    | Operating Pressure | Recovery Rating | Daily Production Rate | Pre/Post Filter Capacity |
|----------|--------------------|-----------------|-----------------------|--------------------------|
| Cloud RO | 40-120PSI          | 50% (1:1)       | 50 GPD                | 5000 L                   |

The above referenced system has been tested by SGS Laboratories according to the NSF/ANSI 42, 53, and 58 standards for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified by NSF/ANSI.

| NSF/ANSI 42 |                |         |                              |                             |                     |  |           |
|-------------|----------------|---------|------------------------------|-----------------------------|---------------------|--|-----------|
|             | Test Items     | Units   | Influent Water/<br>Challenge | Effluent Water/<br>Filtered | Removal<br>Rate (%) | Maximum<br>Concentration<br>Level (mg/L) | Pass/Fail |
| 1           | Chlorine       | mg/L    | 1.89                         | <0.01                       | >99.47%             | >50%                                     | Pass      |
| 2           | Chloramine     | mg/L    | 3.19                         | <0.01                       | >99.7%              | 0.5                                      | Pass      |
| 3           | Free Particles | units/L | 50500                        | 11                          | 100.0%              | >85%                                     | Pass      |

| NSF/ANSI 53 |                                  |       |                              |                             |                     |  |           |
|-------------|----------------------------------|-------|------------------------------|-----------------------------|---------------------|--|-----------|
|             | Test Items                       | Units | Influent Water/<br>Challenge | Effluent Water/<br>Filtered | Removal<br>Rate (%) | Maximum<br>Concentration<br>Level (mg/L) | Pass/Fail |
| 1           | Turbidity                        | NTU   | 11.7                         | 0.1                         | 99.1%               | 0.5 (NTU)                                | Pass      |
| 2           | Lead (pH 8.5)                    | mg/L  | 0.0608                       | <0.0002                     | >99.67%             | 0.005                                    | Pass      |
| 3           | Lead (pH 6.5)                    | mg/L  | 0.0297                       | <0.0002                     | >99.32%             | 0.005                                    | Pass      |
| 4           | Mercury (pH 8.5)                 | mg/L  | 0.0062                       | <0.0002                     | >96.77%             | 0.002                                    | Pass      |
| 5           | Mercury (pH 6.5)                 | mg/L  | 0.0064                       | <0.0002                     | >96.87%             | 0.002                                    | Pass      |
| 6           | VOCs (as Chloroform)             | mg/L  | 0.2831                       | <0.0002                     | >99.92%             | >95%                                     | Pass      |
| 7           | Perfluorooctane Sulfonate (PFOS) | µg/L  | 0.6                          | <0.01                       | >98.83%             | 0.07                                     | Pass      |
| 8           | Perfluorooctanoic acid (PFOA)    | µg/L  | 0.64                         | <0.01                       | >98.43%             | 0.07                                     | Pass      |

| NSF/ANSI 58 |                              |       |                              |                             |                     |  |           |
|-------------|------------------------------|-------|------------------------------|-----------------------------|---------------------|--|-----------|
|             | Test Items                   | Units | Influent Water/<br>Challenge | Effluent Water/<br>Filtered | Removal<br>Rate (%) | Maximum<br>Concentration<br>Level (mg/L) | Pass/Fail |
| 1           | Turbidity                    | NTU   | 11.7                         | 0.1                         | 99.1%               | 0.5                                      | Pass      |
| 2           | Total Dissolved Solids (TDS) | mg/L  | 789                          | 27                          | 96.6%               | 187                                      | Pass      |
| 3           | Chromium-VI                  | mg/L  | 0.301                        | <0.004                      | >98.7%              | 0.1                                      | Pass      |
| 4           | Arsenic (As)                 | mg/L  | 0.3895                       | 0.0002                      | 99.9%               | 0.01                                     | Pass      |
| 5           | Cadmium (Cd)                 | mg/L  | 0.0358                       | <0.0002                     | >99.4%              | 0.005                                    | Pass      |
| 6           | Chromium (Cr)                | mg/L  | 0.312                        | <0.001                      | >99.7%              | 0.1                                      | Pass      |
| 7           | Lead (Pb)                    | mg/L  | 0.1582                       | <0.0002                     | >99.9%              | 0.005                                    | Pass      |
| 8           | Barium (Ba)                  | mg/L  | 10.521                       | <0.005                      | >99.9%              | 2.0                                      | Pass      |
| 9           | Selenium (Se)                | mg/L  | 0.129                        | <0.001                      | >99.2%              | 0.05                                     | Pass      |
| 10          | Copper (Cu)                  | mg/L  | 3.148                        | <0.005                      | >99.8%              | 1.3                                      | Pass      |
| 11          | Nitrate (as N)               | mg/L  | 29.409                       | 0.923                       | 96.9%               | 10.0                                     | Pass      |
| 12          | Nitrite (as N)               | mg/L  | 2.973                        | 0.038                       | 98.7%               | 1.0                                      | Pass      |
| 13          | Fluoride                     | mg/L  | 7.92                         | 0.04                        | 99.5%               | 1.5                                      | Pass      |

SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch



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Ningbo Branch Agricultural and Food Laboratory

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