

# CSA INTERNATIONAL

## DRINKING WATER PRODUCTS EVALUATION PROGRAM

### Standard ANSI/NSF 61: Drinking Water System Components Section 9: Mechanical Plumbing Devices

ANSI/NSF Standard 61, section 9 covers mechanical plumbing devices, components and materials that are located within the last liter of the distribution system and come into contact with water intended for human consumption.

The following is a step by step guide to completing the information package containing the following forms.

1. Product Info1 (A & B)
2. Product Info2 (C)
3. Product Info3 (D, E, F & G)
4. MI (Appendix A - Material Information)
5. MM (Appendix B - Method of Manufacturing)

Please complete each form.

#### Section I – Product Information Form

##### A. Product Information

1. Indicate the function of the product.
2. Specify the manufacturer's intended use. The product application is for commercial, restaurant or bar, or residential use?
3. Record the maximum temperature to which the product may be exposed while in use.
4. If the product is a hot water dispenser, specify the manufacturer's specified thermostat setting.
5. Evaluation for lead requires a minimum of 3 products. For this product, indicate the number of products that are to be evaluated for lead.
6. Indicate the maximum and minimum volumes of water contacting the product in 24 hours.

##### B. Product Bracketing and Selection of Test Model

Products may be combined into groups of related families when the products have similar design, end use, identical materials, formulations and identical manufacturing processes. Within a bracketed group, the product with the largest contaminant extraction potential (largest wetted surface area), can be selected as a test model for all models in the family.

1. Describe the reasoning for bracketing these products and the selection of the test model.
2. List the product name and model number of the product selected to represent the bracketed group (Test Model).
3. List the product names and model numbers for each of the products in the bracketed group.
4. For each model, list the water contact surface area (cm<sup>2</sup>) and the total and cold water volumes (ml).

##### C. Identification of Product and Component Materials which come into contact with drinking water.

1. Identify all the component parts and materials that come into contact with drinking water.
2. In the table, tabulate the component/material description, part number, material type, supplier's name, supplier contact and phone #.
3. List the component surface area (cm<sup>2</sup>) that comes into contact with the drinking water.
4. Identify all the components/materials that have already been tested to the ANSI/NSF 61 Section 9 standard.

**D. Component/Material Information**

1. For each of the components or materials identified in Section II Part C, supply formulation, process and any other pertinent information. For the components/materials that you do not manufacture, have your component or material supplier/manufacturer complete appendix A, B and C. If additional copies are required photocopies of Appendix A, B and C are permitted. If you are unable to obtain any of the component/material information, contact your CSA representative and we will assist you in the collection of the necessary information.

**E. Product Final Assembly Information**

1. Describe how the final product is assembled at your manufacturing facility. Identify any materials, such as lubricants and chemicals (e.g. used for cleaning), that may come into contact with the drinking water.

**F. Sample Application**

1. Supply all documentation describing the procedures for preparation, installation and use of the product. Also submit all labeled assembly drawings which show the water contact area of the product.

**G. Applicant**

1. Read and sign the form.
2. Make a copy of each sheet for yourself.
3. Return the completed information package to your CSA representative.





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DRINKING WATER PRODUCTS EVALUATION PROGRAM

Section I - Product Information Continued

C. Identification of product and component materials which come into contact with drinking water.

Please list all individual components that come into contact with drinking water. If there exists more than one supplier for any given component, list them as separate components.

\* - It is important that the regulatory approvals, Material Safety Data Sheet (MSDS) & Certificate of Analysis (C of A) be submitted in addition to any other relevant information.

| Component Number | Component Description | Part Number | Material Trade or Chemical Name* | Water Contact Surface Area (cm2) | Supplier or Manufacturer Name | Contact Name & Phone # | Approvals or Certification (eg. FDA, CSA,UL/NSF) |
|------------------|-----------------------|-------------|----------------------------------|----------------------------------|-------------------------------|------------------------|--|
| 1                |                       |             |                                  |                                  |                               |                        |  |
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DRINKING WATER PRODUCTS EVALUATION PROGRAM

Section I - Product Information Continued

C. Identification of product and component materials which come into contact with drinking water.

Please list all individual components that come into contact with drinking water. If there exists more than one supplier for any given component, list them as separate components.

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| Component Number | Component Description | Part Number | Material Trade or Chemical Name* | Water Contact Surface Area (cm2) | Supplier or Manufacturer Name | Contact Name & Phone # | Approvals or Certification (eg. FDA, CSA,UL/NSF) |
|------------------|-----------------------|-------------|----------------------------------|----------------------------------|-------------------------------|------------------------|--|
| 21               |                       |             |                                  |                                  |                               |                        |  |
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DRINKING WATER PRODUCTS EVALUATION PROGRAM

Section I - Product Information Continued

C. Identification of product and component materials which come into contact with drinking water.

Please list all individual components that come into contact with drinking water. If there exists more than one supplier for any given component, list them as separate components.

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| Component Number | Component Description | Part Number | Material Trade or Chemical Name* | Water Contact Surface Area (cm2) | Supplier or Manufacturer Name | Contact Name & Phone # | Approvals or Certification (eg. FDA, CSA,UL/NSF) |
|------------------|-----------------------|-------------|----------------------------------|----------------------------------|-------------------------------|------------------------|--|
| 43               |                       |             |                                  |                                  |                               |                        |  |
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DRINKING WATER PRODUCTS EVALUATION PROGRAM

Section I - Product Information Continued

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| Component Number | Component Description | Part Number | Material Trade or Chemical Name* | Water Contact Surface Area (cm <sup>2</sup> ) | Supplier or Manufacturer Name | Contact Name & Phone # | Approvals or Certification (eg. FDA, CSA,UL/NSF) |
|------------------|-----------------------|-------------|----------------------------------|---|-------------------------------|------------------------|--|
| 65               |                       |             |                                  |   |                               |                        |  |
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**DRINKING WATER PRODUCTS EVALUATION PROGRAM**

**APPENDIX A - MATERIAL INFORMATION SHEET**  
**TO BE COMPLETED BY MATERIAL OR COMPONENT SUPPLIER/MANUFACTURER**  
 (Make additional copies if required)

**ATTACH MATERIAL/COMPONENT FORMULATION, PROCESS AND OTHER RELEVANT INFORMATION TO THIS SECTION.**

Component Number (from Section II): \_\_\_\_\_

Component Name: \_\_\_\_\_

**DESCRIPTION OF MATERIAL OR COMPONENT**

Trade & Chemical Name of Material: \_\_\_\_\_

Other Name(s): \_\_\_\_\_

CAS #: \_\_\_\_\_

Regulatory Approvals (e.g. FDA, CSA/UL/NSF): \_\_\_\_\_

**SUPPLIER INFORMATION**

Name of Material or Component Supplier: \_\_\_\_\_

Supplier's Address: \_\_\_\_\_

Supplier's Contact Name: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax/E-mail: \_\_\_\_\_

**IF MANUFACTURING ADDRESS OF MATERIAL OR COMPONENT IS DIFFERENT THAN SUPPLIER'S ADDRESS.**

Manufacturer: \_\_\_\_\_

Manufacturing Site Address: \_\_\_\_\_

Name of contact at manufacturing site: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax/E-mail: \_\_\_\_\_

**LIST ALL CHEMICALS USED IN THE MANUFACTURING OF THE MATERIAL OR COMPONENT**

| Ingredient Name | Chemical Formula | CAS # | % by Wt of Ingredient | Regulatory Approvals (eg. FDA, UL/NSF) | Supplier Name | MSDS* Sheet Y/N | C of A* Y/N |
|-----------------|------------------|-------|-----------------------|--|---------------|-----------------|-------------|
|                 |                  |       |                       |  |               |                 |             |
|                 |                  |       |                       |  |               |                 |             |
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|                 |                  |       |                       |  |               |                 |             |

\* - Material Safety Data Sheet (MSDS) & Certificate of Analysis (C of A).

**DRINKING WATER PRODUCTS EVALUATION PROGRAM**

**APPENDIX B - METHOD OF MANUFACTURE**  
**TO BE COMPLETED BY MATERIAL OR COMPONENT MANUFACTURER/SUPPLIER**  
 (Make additional copies if required)

Component Number (from Part II): \_\_\_\_\_

Briefly describe the manufacturing process for this material/component.

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**APPENDIX C - OTHER POSSIBLE SOURCES OF CONTAMINATION**  
**PRESENT IN THE FINAL MATERIAL OR COMPONENT**

Identify any by-product, residual monomers, additives, releasing agents or any other substance that may be present in the final product as a result of the manufacturing process.

| Chemical Name | CAS # | % by Weight of Contaminant | Source of Contaminant |
|---------------|-------|----------------------------|-----------------------|
|               |       |                            |                       |
|               |       |                            |                       |
|               |       |                            |                       |
|               |       |                            |                       |
|               |       |                            |                       |
|               |       |                            |                       |

I hereby certify that all information in this document is accurate and complete to the best of my knowledge.

\_\_\_\_\_  
**Supplier's Signature**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Printed Name**

\_\_\_\_\_  
**Position**