

We Answer With Solutions™



CSA INTERNATIONAL

Standards  
Development

QMI  
Management Systems Registration

Certification  
and Testing

## Standard ANSI/NSF 61: Drinking Water System Components Section 4: Pipes and Related Products

NSF Standard 61, section 4 applies to pipes and related products and the materials associated with these products. Pipe related products include fittings, couplings, flexible and rigid tubing, riser tubing, dip tubes, hoses, well casings, drop pipes, screens, coatings and other barrier materials intended for use with pipes and pipe related products.

The following is a step by step guide to completing the application form.

### Section I – Product Materials Information Form

#### A. Product Information

1.  Indicate the function of the product.
2.  Specify the manufacturer's intended use. The product application is commercial (restaurant or bar) or residential.
3.  Record the maximum temperature to which the product may be exposed while in use.
4.  Specify the total water volume of the product to be tested.
5.  The volume of water that comes into contact with the product may vary over the course of the day. Indicate the maximum and minimum volume of water contacting the product surface in 24 hours.

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

Products manufactured in one plant may be combined into groups of related families when the products have similar design, end use, identical materials, formulations and identical manufacturing processes. This process is known as bracketing and will be determined by CSA after all product information is reviewed. Within a bracketed group, the product with the highest surface area to volume ratio (usually the smallest diameter) 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.
3.  List the product names and model number for each of the products in the bracketed group.

#### C. Identification of Product material and Components which come into contact with drinking water.

1.  Identify all the component parts that come into with drinking water.
2.  Tabulate the part number, material type, supplier's name and supplier contact for each component.
3.  List the surface area (cm<sup>2</sup>) that is in the path of the drinking water for each component.
4. For each of the components identified, supply formulation, process and any other pertinent information. Use Appendix A, B and C to organize the information. If additional copies are required make photocopies of these Appendices. The material or component manufacturer must fill out appendix A, B and C. In the case where the applicant cannot obtain the necessary information from the material/product manufacturer, CSA can assist by contacting the manufacturer directly.

We Answer With Solutions™



CSA INTERNATIONAL

Standards  
Development

QMI  
Management Systems Registration

Certification  
and Testing

**D. Sample Application**

Supply the information, which describes procedures for preparation, installation and use of the sample. Also submit all labeled assembly drawings which show the water contact area of the product (if applicable).

**E. Read and sign the form and return the completed form to your CSA representative.**



We Answer With Solutions™



CSA INTERNATIONAL

Standards  
Development

QMI  
Management Systems Registration

Certification  
and Testing

**Section I – Product Materials Information Form Continued.**

**C. Identification of Product Material and Components, which come into contact with drinking water.**

Component Number	Component Description	Part Number	Material Name	Supplier or Manufacturer Name	Water Contact Surface Area (cm <sup>2</sup> )	Regulatory Approvals (e.g. FDA, UL/NSF)	Attachments No. of pages
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
13							
14							
15							
16							
17							
18							

We Answer With Solutions™



CSA INTERNATIONAL

Standards  
Development

QMI  
Management Systems Registration

Certification  
and Testing

## Section I – Product Materials Information Form Continued

### D. Sample Application

Supply all information regarding preparation, installation, use instructions and information required for the use of the product. Also supply enlarged assembly drawings of the product.

Description of Application	No. of pages
Preparation	
Installation	
Use Instruction	
Other -	
Other -	
Drawings of Product	No. of pages
Assembly drawings	

### E. Applicant Certification

I hereby certify that the information provided is accurate and complete. The company I represent and myself, know of no reason the product described above should not be used in contact with drinking water.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name & Title



CSA INTERNATIONAL

Standards Development      QMI Management Systems Registration      Certification and Testing

**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

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

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

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

Briefly describe the manufacturing process for this component.

---

---

---

---

---

---

---

---

**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