

NSF/ANSI 55 – 2002
Addendum 1.0 – 2002

Ultraviolet microbiological water treatment systems

NSF International Standard/
American National Standard

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Addendum 1.0 – 2002



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NSF International Standard/
American National Standard
for Drinking Water Treatment Units –

**Ultraviolet microbiological
water treatment systems**

Standard Developer
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Contents

Table 1 – Extraction testing parameters	1
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Revisions to NSF/ANSI 55 – 2002 are shown in this addendum as ~~crossouts~~ for deletions and **highlights** for additions.

NSF/ANSI Standard
for Drinking Water Treatment Units —

Drinking water treatment units —
Aesthetic effects

Table 1 – Extraction testing parameters

Parameter	Maximum contaminant concentration (MCC) mg/L	Maximum drinking water level (MDWL) mg/L	Advisory concentration mg/L	USEPA method(s)
aluminum	—	0.5	0.05 – 0.2 ¹	200.7, 200.8
antimony	0.006	—	—	200.8, 200.9
arsenic	0.025 0.010	—	—	200.8, 200.9
barium	2.0	—	0.05 ²	200.7, 200.8
beryllium	0.004	—	detected ³	200.7, 200.8, 200.9
cadmium	0.005	—	detected ³	200.8, 200.9
chromium	0.1	—	—	200.7, 200.8, 200.9
copper	1.3	—	0.05 ^{2, 4}	200.7, 200.8
lead	0.015	—	0.005 ^{2, 3, 4, 5}	200.8, 200.9
manganese	—	0.3	0.05 ¹	200.7, 200.8
mercury	0.002	—	detected ³	200.8, 245.1
nickel	—	0.1	0.05 ²	200.7, 200.8
selenium	0.05	—	—	200.8, 200.9
thallium	0.002	—	detected ³	200.8, 200.9
volatile organic compounds (includes) ⁶				
total	—	—	0.010 ²	502.2
benzene	0.005	—	detected ^{3, 5}	502.2
carbon disulfide	—	0.05	—	GC/PID
carbon tetrachloride	0.005	—	detected ³	502.2
1,2-dichloroethane	0.005	—	detected ⁵	502.2

Table 1 – Extraction testing parameters

Parameter	Maximum contaminant concentration (MCC) mg/L	Maximum drinking water level (MDWL) mg/L	Advisory concentration mg/L	USEPA method(s)
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Standards and Criteria²

The following standards and criteria established and adopted by NSF as minimum voluntary consensus standards are used internationally:

- 2 Food equipment
- 3 Commercial warewashing equipment
- 4 Commercial cooking, rethermalization, and powered hot food holding and transport equipment
- 5 Water heaters, hot water supply boilers, and heat recovery equipment
- 6 Dispensing freezers
- 7 Commercial refrigerators and freezers
- 8 Commercial powered food preparation equipment
- 12 Automatic ice making equipment
- 13 Refuse processors and processing systems
- 14 Plastics piping system components and related materials
- 18 Manual food and beverage dispensing equipment
- 20 Commercial bulk milk dispensing equipment
- 21 Thermoplastic refuse containers
- 24 Plumbing system components for manufactured homes and recreational vehicles
- 25 Vending machines for food and beverages
- 29 Detergent and chemical feeders for commercial spray-type dishwashing machines
- 35 High pressure decorative laminates (HPDL) for surfacing food service equipment
- 36 Dinnerware
- 37 Air curtains for entranceways in food and food service establishments
- 40 Residential wastewater treatment systems
- 41 Non-liquid saturated treatment systems
- 42 Drinking water treatment units – Aesthetic effects
- 44 Residential cation exchange water softeners
- 46 Evaluation of components and devices used in wastewater treatment systems
- 49 Class II (laminar flow) biosafety cabinetry
- 50 Circulation system components and related materials for swimming pools, spas/hot tubs
- 51 Food equipment materials
- 52 Supplemental flooring
- 53 Drinking water treatment units – Health effects
- 55 Ultraviolet microbiological water treatment systems
- 58 Reverse osmosis drinking water treatment systems
- 59 Mobile food carts
- 60 Drinking water treatment chemicals – Health effects
- 61 Drinking water system components – Health effects
- 62 Drinking water distillation systems
- 75 Non-potentially hazardous foods
- 116 Non-food compounds used in food processing facilities – Food grade lubricants (draft standard for trial use)
- 170 Glossary of food equipment terminology
- 173 Dietary supplements (draft standard for trial use)
- 184 Residential dishwashers
- 14159 Safety of machinery – Hygiene requirements for the design of machinery
- 14159-1 Hygiene requirements for the design of meat and poultry processing equipment
- C-2 Special equipment and/or devices

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THE HOPE OF MANKIND rests in the ability of man to define and seek out the environment which will permit him to live with fellow creatures of the earth, in health, in peace, and in mutual respect.