

NSF Protocol P151 Health Effects from Rainwater Catchment System Components

NSF International



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NSF International
Engineering & Research Services
789 Dixboro Road
Ann Arbor, MI 48105
Phone: (734)769-8010 Telex: 753215 NSF INTL
FAX: (734)769-0109 E-mail: info@nsf.org
Web: <http://www.nsf.org>

**NSF PROTOCOL P151
HEALTH EFFECTS FROM RAINWATER
CATCHMENT SYSTEM COMPONENTS**

AUGUST 1, 1995

**Prepared by:
NSF International
Engineering & Research Services
3475 Plymouth Road
Ann Arbor, MI 48105**

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SECTION 1. INTRODUCTION

- 1.1 **SCOPE:** This testing protocol covers gutters, barrier materials and/or catchment surfaces (coatings, paints, lining and liners) placed on roof tops and ground surfaces that come in direct contact with rainwater that is collected and used as drinking water.
- 1.2 **PURPOSE:** This NSF Protocol was developed to assess:
- ! the concentration of a contaminant extracted from surfaces and components exposed to rain, and
 - ! whether the concentration of the contaminant(s) exceeded known drinking water maximum contaminants and/or health advisories.

This protocol also is used as substantiation of the following NSF protocol certification:



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- 1.3 **LIMITATIONS:** The quality of the collected rainwater and its acceptability for use as drinking water is the responsibility of the appropriate regulatory agency with authority. The health risk from extractable contaminants for which the U.S. EPA has not published health effects information is the responsibility of the manufacturer of the product.

SECTION 2. DEFINITIONS

- 2.1 **CATCHMENT SURFACES:** Barrier materials, placed on roof tops and other surfaces, that are exposed directly to rainfall and serve to collect rainwater for a drinking water cistern system.
- 2.2 **COATING/PAINT:** A material applied with a direct bond to a sub-surface subject to direct/indirect contact with rainwater that is collected for a drinking water cistern system.