

**ICC-ES PMG Listing****PMG-1018**

Effective Date: February 1, 2012

This listing is subject to re-examination in one year.

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CSI: DIVISION 22 00 00—PLUMBING  
Section: 22 13 16—Sanitary Waste and Vent Piping  
Section: 22 66 00—Chemical Waste Systems for Laboratory and Healthcare Facilities

## Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: Spears LabWaste™ CPVC Corrosive Waste Drainage System—for use in accordance with the manufacturer's chemical resistance recommendations for chemical waste drainage applications.

Listee: Spears Manufacturing Company  
15853 Olden Street  
Sylmar, California 91342  
[www.spearsmfg.com](http://www.spearsmfg.com)

## Compliance with the following codes:

2012 and 2009 *International Plumbing Code*® (IPC)  
2009 *Uniform Plumbing Code* (UPC)\*

\* *Uniform Plumbing Code*® is a registered trademark of IAPMO

## Compliance with the following standards:

ASTM F 493, Standard Specification for Solvent Cements for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe and Fittings  
ASTM D 1784, Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl chloride) (CPVC) Compounds (cell classification 23447)  
ASTM F 2618, Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Fittings for Chemical Waste Drainage Systems  
NSF 14, Plastics Piping Systems Components  
LC1007, PMG Listing Criteria for Chlorinated Polyvinyl Chloride (CPVC) Systems of Piping, Fittings and Solvent Cement Used in Chemical Waste Systems

## Identification:

Piping and fittings: LabWaste™ piping and fittings are marked with the Spears Manufacturing Company name or trademark (SPEARS®), CPVC, nominal pipe size in inches, ASTM F 2618 designation, NSF-cw and the ICC-ES PMG listing mark (formerly ICC-ES evaluation report number ESR-1214).

Solvent cement: Packages of the Spears® LW-5 CPVC Solvent Cement are marked with the Spears Manufacturing Company address and name or trademark, the designation ASTM F 493, the lot number, NSF—for corrosive waste, the ICC-ES PMG listing mark (formerly ICC-ES evaluation report number ESR-1214). The ICC-ES PMG listing number (PMG-1018) is optional.

**Installation:**

Installation of the drainage pipe and fittings must comply with the manufacturer's published installation instructions and the IPC.

LabWaste™ fittings must be joined to pipe using Spears® LW-5 CPVC Solvent Cement. Connection between the Spears CPVC piping system and other materials must be made using Spears® LabWaste™ mechanical connection adapters. Materials exposed in plenums must demonstrate a maximum flame-spread index of 25 and a maximum smoke-developed index of 50 when tested in accordance with ASTM E 84.

**Models:** The Spears LabWaste™ system is supplied in pipe and fitting sizes of 1½, 2, 3, 4, 6, 8, 10 and 12 inches (38.1, 50.8, 76.2, 101.6, 152.4, 203.4, 254 and 304.8 mm).

Spears® LW-5 CPVC Cement is a proprietary blended, one-step solvent cement.

**Conditions of Listing:**

1. Pipe, Fittings and Solvent Cement are manufactured and tested in accordance with the requirements of ASTM F 2618.
2. The methods of treatment, neutralization or dilution of the chemical waste transported by the drainage pipe and fittings, when discharging to a sanitary drainage system in accordance with IPC Section 803.2, are outside the scope of this listing.
3. Use of the pipe and fittings in plenums or in fire-resistance-rated assemblies is outside the scope of this listing. Materials exposed in plenums must demonstrate a maximum flame-spread index of 25 and a maximum smoke-developed index of 50, when tested in accordance with ASTM E 84.
4. Spears Manufacturing Company has one manufacturing location which produces the pipe, fittings, and the solvent cement under a quality control program with semi-annual surveillance inspections by NSF (AA-633).

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