

Testing Criteria CRI, WoolSafe® and Green Certified

Testing criteria for CRI:

- Spot Remover Testing Criteria
 - Removal Efficacy -
 - The cumulative total removal efficacy must be 10% better than water
 - Resoiling -
 - A maximum of 1/2 step color change allowed based on AATCC Gray Scale
 - pH -
 - pH between 4 and 10
 - Optical Brighteners -
 - No optical brighteners
 - Colorfastness to light -
 - No Color Change
- Pre-Spray & In-Tank Testing Criteria
 - Soil Removal Efficacy -
 - Minimum of a 1/2 step better than water only cleaning according to the AATCC Gray Scale
 - Resoiling -
 - Equal to or better than water according to the AATCC Gray Scale
 - pH -
 - pH between 4 and 10
 - Optical Brighteners -
 - No optical brighteners
 - Colorfastness to light -
 - No Color Change
- Pet Stain Removal
 - Removal Efficacy -
 - The Stain removal efficacy must be equal to or better than water only cleaning
 - The odor removal efficacy must be rated a minimum of 3 points higher than water only cleaning
 - Resoiling -
 - A maximum of 1/2 step color change allowed based on AATCC Gray Scale
 - pH -
 - pH between 4 and 10
 - Optical Brighteners -
 - No optical brighteners
 - Colorfastness to light -
 - No Color Change

Testing criteria for WoolSafe®:

Test for:	Requirement:
Oxidising and reducing agents	Must be absent
Optical brighteners	Must be absent
Buffering	If pH is above 4, product must not be strongly buffered
Alkalinity (determined as the volume of 0.1N HCl needed to neutralise and acidify a 100 ml sample)	Less than 5ml to pH=7 less than 14ml to pH=5.5
Effect on colour fastness of floor coverings	Must not have a detrimental effect
Evaporation residue	Must be dry, preferably powdery or crystalline; waxy could be accepted if dust adhesion is minimal
(Re-)soiling characteristics (ISO 11378 – Part 1)	Must not increase re-soiling after application
Hazards and other safety aspects (e.g. flammability)	Must be free of safety hazards
Application instructions	Must be accurate, clear and unambiguous

Testing criteria for Green Certified:

Health, Toxicity and Safety

Oral toxicity.....LD₅₀>5000 mg/kg of body weight

Dermal toxicity.....LD₅₀>5000 mg/kg of body weight

Inhalation toxicityLC₅₀>20 mg/L or 20ppm

CarcinogenicityProducts will not be recognized as a carcinogen or be listed by IAR, NTP or CA Prop 65

Protection of Aquatic Life

Aquatic toxicityL/E/IC₅₀=1-10 ppm then biodegradation must occur within a 10 day window

Aquatic toxicityL/E/IC₅₀=10-100 ppm then biodegradation must occur within a 28 day window

Aquatic toxicityL/E/IC₅₀=100 ppm then biodegradation need not occur within a 28 day window if no products of concern and half-life is <180 days.
Note: If product is an aquatic toxicant, then it must biodegrade rapidly and not be bioaccumulative.

Alkyphenol ethoxylatesNo Product will contain alkyphenol ethoxylates because these materials may be harmful to aquatic life.

Inorganic phosphatesNo Product will contain inorganic phosphates because these materials may be harmful to aquatic life.

Safety for Materials Contacted

pH requirement.....The pH of the use solution of the product will be between 3 – 10.

Clean Air Requirements

VOC.....The use solutions must contain less than 100g/L VOC (Volatile Organic Compounds)