



● 4119 White Bear Parkway, St. Paul, MN 55110 USA  
● Phone: (651) 429-1100, Fax: (651) 429-1122  
● Toll Free: (800) 4-CORTEC, E-mail: info@cortecvci.com  
● cortecvci.com • corteclaboratories.com

## *Evaluation of Green Packaging, Inc. Film*

**To:** Matt Richey  
Bob Dessauer

**From:** Cortec Laboratories, Inc.  
4119 White Bear Parkway  
St. Paul, MN 55110

**cc:** Boris Miksic  
Cliff Cracauer  
Robert Kean

**Project #:** 15-261-1125

**Results reported by:**

Anne Carlson  
Lab Technician

**Approved by:**

Eric Uutala  
Technical Service Manager



**Background:** Matt Richey and Bob Dessauer requested that Cortec Labs evaluate Green Packaging Inc.'s Rust Guard Premium™ film. The film will be tested to the same quality standards regularly used on Cortec VpCI films.

**Sample Received:** Rust Guard Premium™ VCI bag, 4 mils.

**Method:** Nitrate test\*  
Razor Blade test, CC-004\*  
VIA test, CC-027

\*Cortec Laboratories, Inc. is not ISO/IEC 17025 accredited for the test(s) marked.

**Materials:** VIA test kit  
Razor Blade test kit  
Nitrate strips (lot HC435784)  
Polyethylene film (control)

**Procedure:** All tests were performed according to their standard procedure.

**Results:**

**Razor Blade (Copper)**

Sample	Panel 1	Panel 2	Panel 3	Overall
Rust Guard	Fail	Fail	Fail	Fail
Control	Fail	-	-	Fail

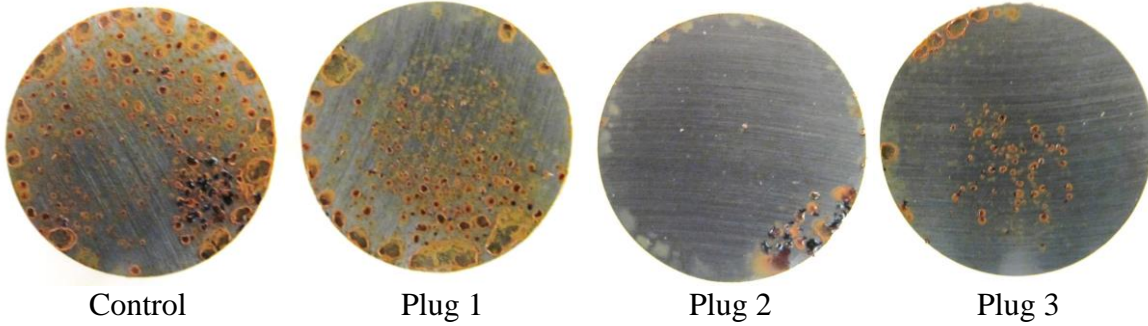
**Razor Blade (Steel)**

Sample	Panel 1	Panel 2	Panel 3	Overall
Rust Guard	Pass	Fail	Fail	Fail
Control	Fail	-	-	Fail

**VIA Test**





Sample	Plug 1	Plug 2	Plug 3	Overall
Rust Guard	1	2	2	Fail
Control	Fail	-	-	Fail

Photos from VIA test



VIA Test Grading

All three plugs must be grade 2 or better to pass the test

Grade 0:	Blind test No corrosion inhibiting effect	
Grade 1:	Blind test Minute corrosion inhibiting effect	
Grade 2:	Blind test Medium corrosion inhibiting effect	
Grade 3:	Blind test Good corrosion inhibiting effect	

**Interpretations:** Green Packaging, Inc.'s Rust Guard Premium™ does not provide sufficient contact phase corrosion protection for either copper or steel, according to the Razor Blade test. It also does not provide sufficient vapor phase corrosion protection, according to the VIA test. No nitrate was found.