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Evaluating Grofit VCI2000 film and film labeled as Itema Group film

Background: Walter Banziger/Corpac AG submitted two films to Cortec Corporation. One film is labeled as Gro fit VCI2000, and the other film is labeled as Itema Group film. A corrosion inhibition evaluation is sought on both films.

Purpose: Evaluate the corrosion inhibition performance of submitted films.

Method: Razor Blade Test
VIA Test

Materials: Razor Blade Test Kit
VIA Test Kit
Gro fit VCI2000 film (0.004"x 6.0"x 4.0" ziplock bag)
Film labeled as Itema Group (0.004"x 6.0"x 4.0" ziplock bag)

Procedure: The above tests were performed according to standard procedures for each.

Results:

Razor Blade Test

Material	Panel #1	Panel #2	Panel #3
Gro fit VCI2000 film	Pass	Pass	Fail
Film labeled as Itema Group	Pass	Pass	Pass
Control	Fail	Fail	Fail

VIA Test

Material	Panel #1	Panel #2	Panel #3
Gro fit VCI2000 film	Grade 0	Grade 0	Grade 0
Film labeled as Itema Group	Grade 3	Grade 3	Grade 3
Control	Fail	Fail	Fail

Note: Barrier phase corrosion inhibition was not tested, due to lack of film samples.

Conclusion: Gro fit VCI2000 film fails to provide sufficient vapor phase corrosion inhibition and provides marginal contact phase corrosion inhibition. Grofit VCI2000 film looks to contain a desiccant in addition to a small amount of nitrite. Film labeled as ITEMA Group contains Cortec M-126 masterbatch and provides excellent corrosion inhibition.

Project #: 05-015-1125

Estimated Cost of Project: 3 hours

To: Walter Banziger/Corpac AG

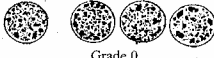

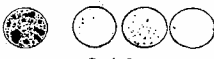
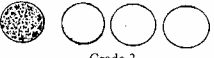
From: Bob Berg

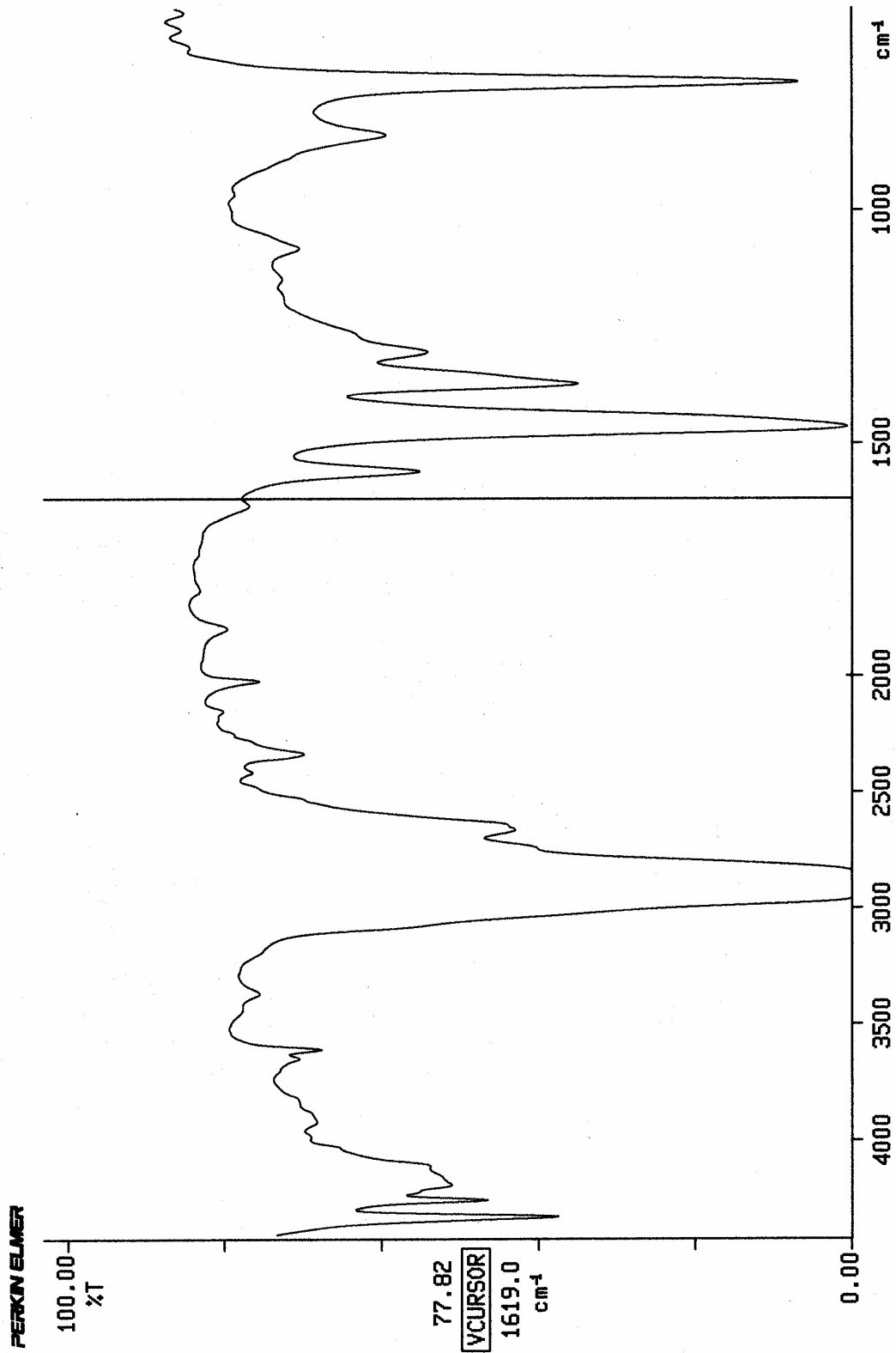


Date: 01/25/05

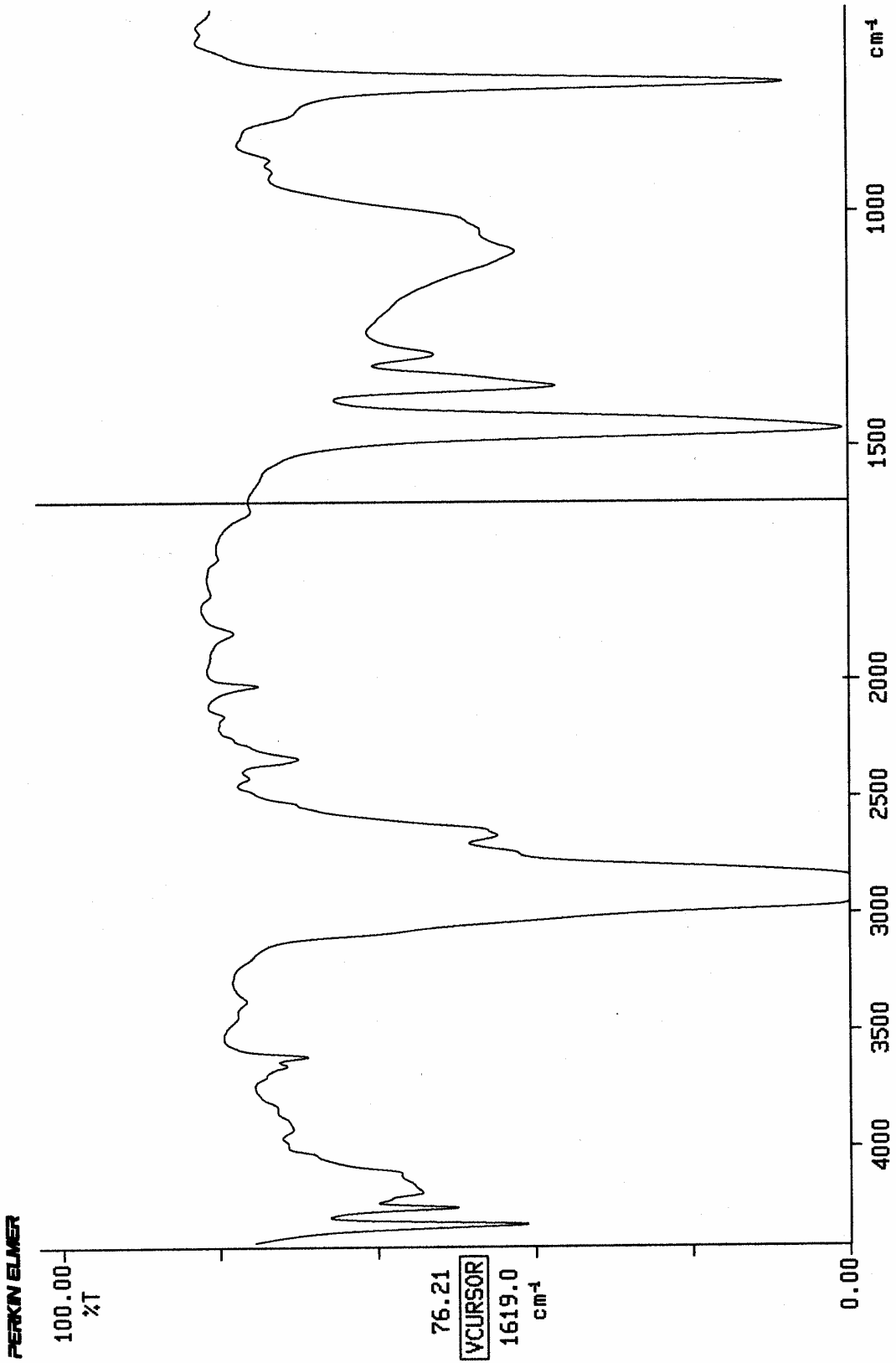
cc: Boris Miksic
Anna Vignetti
Art Ahlbrecht
Margarita Kharshan
Cliff Cracauer
Bob Boyle
Dario Dell'Orto
Cindy Johnson

VIA Test Grades (Grade 2 or 3 are passing)

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



05/01/24 15:18 unspecified
X: 8 scans, 16.0cm-1
itema group
05-015-1125



05/01/24 15:22 unspecified
X: 8 scans, 16.0cm-1
vci2000 grofit film
05-015-1125