

**UNION
CARBIDE**

INTERNAL CORRESPONDENCE

RNW box 9

CHEMICALS AND PLASTICS

P. O. BOX 8361, SOUTH CHARLESTON, WEST VIRGINIA 25303

To (Name) Dr. D. O. Westerberg
Division Union Carbide Corp.
Location Food Science Institute
6830 W. 65th St.
Chicago, Illinois 60638

Date May 31, 1974
Originating Dept. Research and Development

Subject Vinyl Chloride
Analysis: PVC resins
and films

Copy Mr. R. A. Bleidt (3)
To Dr. J. J. Brezinski
Mr. R. J. Hanna
Mr. J. B. Johnson

Dear Duane:

This letter will confirm our telephone conversation of May 29, 1974, concerning the vinyl chloride monomer analysis which I reported to you. The vinyl chloride analyses are essentially completed; however, there will be some delay in getting the vinylidene chloride results. As of yet we do not have a satisfactory method of analysis to determine residual vinylidene chloride in dry resins and films. In the case of a latex sample, presently, we inject the "neat" sample into the gas chromatograph, thus getting both vinyl chloride and vinylidene chloride simultaneously.

Tabulated in Table I and attached to this letter are the vinyl chloride results. As can be seen from these data, all of the samples contain 2 ppm vinyl chloride or less. The limit of detection for the method is 1.5 ppm with an accuracy of ± 0.5 ppm.

If I can be of further assistance don't hesitate to call.

Yours very truly,


E. Gabany, Jr.

AEG/dk
Attachment

N tebook Reference
14AEG114

RECEIVED
OCT 02 1975
R. N. WHEELER, JR.

UCC
068375

TABLE I

**VINYL CHLORIDE ANALYSIS OF VINYL CO-POLYMER RESINS AND
FILMS FROM D. O. WESTERBERG**

<u>Sample</u>	<u>Vinyl Chloride, ppm</u>
4-26-A (a)	<1.5
4-26-B (a)	<1.5
4-26-C (a)	2
4-26-D (a)	<1.5
4-26-E	<1.5
4-26-F	<1.5
4-26-G	<1.5
4-26-H (b)	<1.5

(a) resin samples, all others are films

(b) multilayer film - not totally soluble in THF