

Dual antibacterial effect of immobilized quaternary ammonium and aliphatic groups on PVC †

María Emilia Villanueva^a, Ana Salinas^a, Joaquín Antonio González^a, Sergio Teves^b,
^c and Guillermo Javier Copello^{a,*}

^a Cátedra de Química Analítica Instrumental, Facultad de Farmacia y Bioquímica, Universidad de Buenos Aires (UBA), IQIMEFA (UBA-CONICET), Junín 956, C1113AAD Buenos Aires, Argentina; Tel/fax: +54 11 49648254.

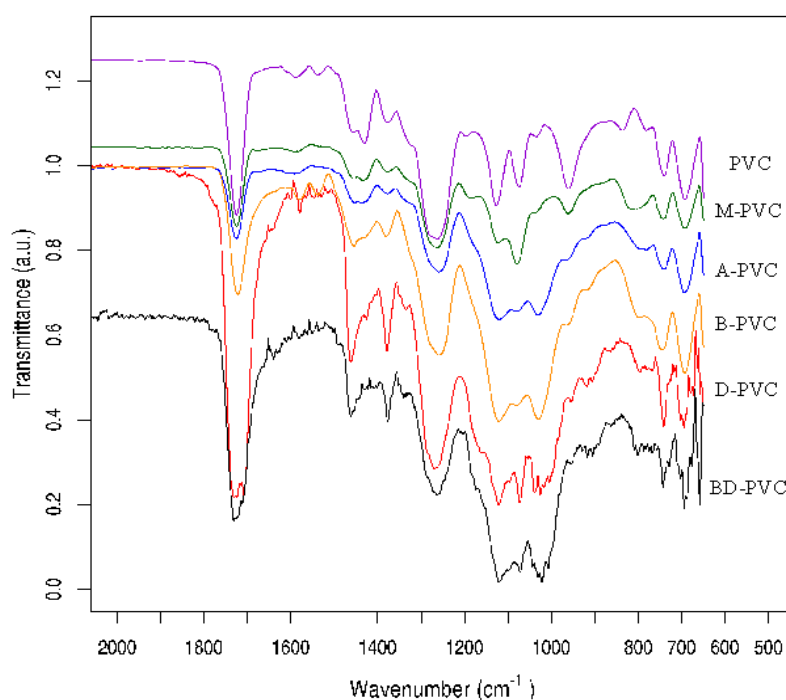
^b Cátedra de Microbiología, Facultad de Farmacia y Bioquímica, Universidad de Buenos Aires (UBA), Junín 956, C1113AAD Ciudad de Buenos Aires, Argentina

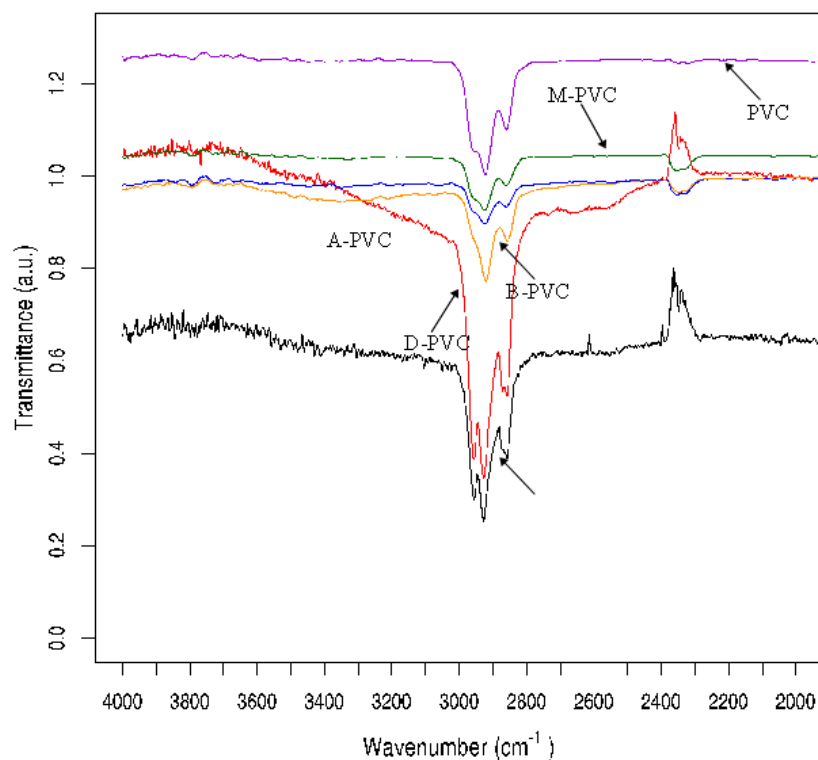
^c PROANALISIS SA, Angel Carranza 1941/7, Ciudad de Buenos Aires , Argentina.

* Corresponding author at: Cátedra de Química Analítica Instrumental, Facultad de Farmacia y Bioquímica, Universidad de Buenos Aires (UBA), IQIMEFA (UBA-CONICET), Junín 956, C1113AAD Buenos Aires, Argentina; Tel/fax: +54 11 49648254. E-mail address: gcopello@ffyb.uba.ar

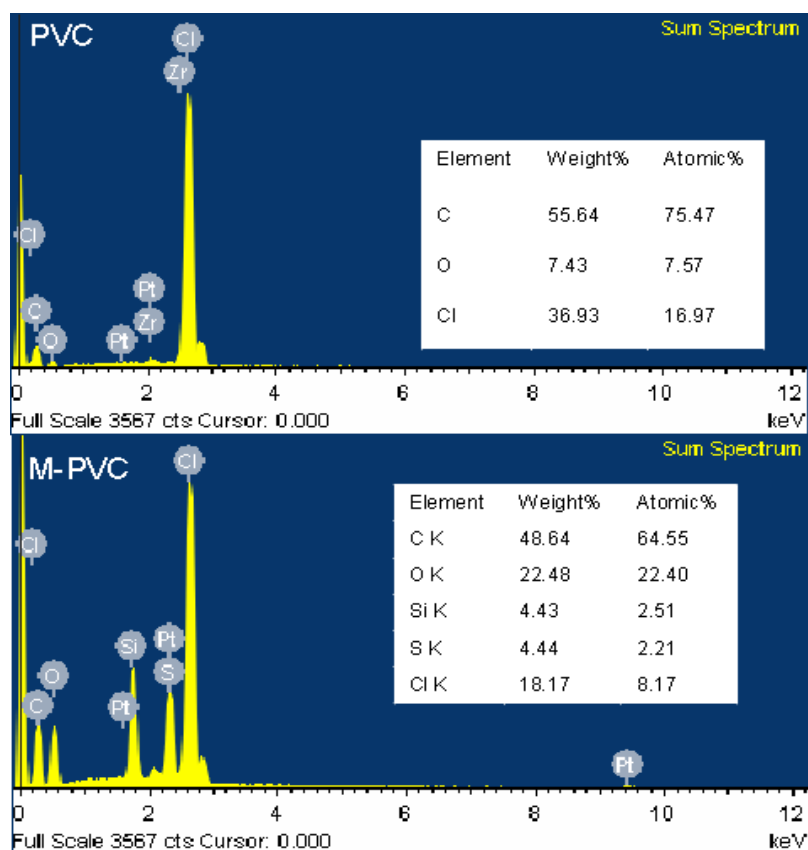
Electronic Supporting information

ESI 1. FT-IR of untreated and treated samples

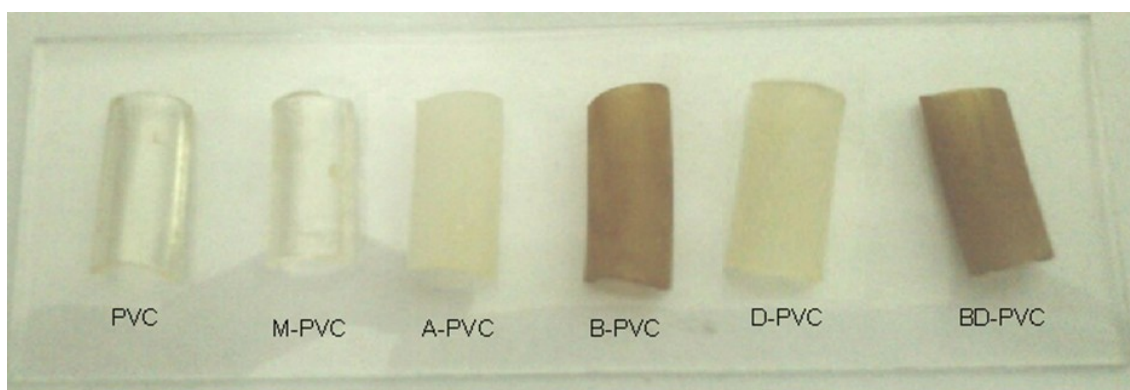




ESI 2.EDX spectrum from PVC and M-PVC



ESI 3. Treated and untreated PVC after periodate exposure.



ESI 4. Antimicrobial activity of the BD-PVC eluate

