

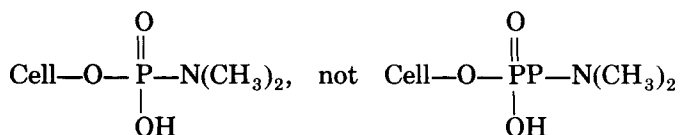
Erratum

Studies on Thermal Degradation of Cellulose and Cellulose Phosphoramides

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[article in *J. Appl. Polym. Sci.*, **31**, 667–683 (1986)]

Page 669. (Structure IV)



Page 670. In continuation to the last line (activation energies... determined from) the slopes and the intercepts of the plots and are given in Table III. Using

Page 675. Table II, E_a using Dave and Chopra method of sample (ii) is 111.6, not 11.6

The captions of Figs. 1–13 and Scheme I, II should be read as:

- Page 672. Fig. 1. Thermal analysis of cellulose in air.
Fig. 2. Thermal analysis of cellulose phosphoramide sample (ii) in air.
- Page 673. Fig. 3. Thermal analysis of cellulose phosphoramide sample (iii) in air.
Fig. 4. Thermal analysis of cellulose phosphoramide sample (iv) in air.
- Page 674. Fig. 5. Thermal analysis of cellulose phosphoramide sample (v) in air.
Fig. 6. Thermal analysis of cellulose phosphoramide sample (vi) in air.
- Page. 677. Fig. 7. Plots of $\Delta \log R_T / \Delta \log W$ vs. $(10^3 \cdot \Delta T^{-1} / \Delta \log W)$ using Freeman and Carroll equation for cellulose (\circ) and cellulose phosphoramide samples (ii) (Δ), (iii) (\square), (iv) (\bullet), (v) (\blacktriangle) and (vi) (\blacksquare) for second stage of pyrolysis.
- Page. 678. Fig. 8. Plots of $\ln \left(\ln \frac{1}{y} \right)$ vs. $10^3 \cdot T^{-1}$ using Broido equation for cellulose (\circ) and cellulose phosphoramide samples (ii) (Δ), (iii) (\square), (iv) (\bullet), (v) (\blacktriangle) and (vi) (\blacksquare) for first stage of pyrolysis.

- Fig. 9. Plots of $\ln\left(\ln\frac{1}{y}\right)$ vs. $10^3 \cdot T^{-1}$ using Broido equation for cellulose (\circ) and cellulose phosphoramidate samples (ii) (Δ), (iii) (\square), (iv) (\bullet), (v) (\blacktriangle) and (vi) (\blacksquare) for second stage of pyrolysis.
- Page 679. Fig. 10. Plots of $\ln\left(\ln\frac{1}{y}\right)$ vs. $10^3 \cdot T^{-1}$ using Broido equation for cellulose (\circ) and cellulose phosphoramidate samples (ii) (Δ), (iii) (\square), (iv) (\bullet), (v) (\blacktriangle) and (vi) (\blacksquare) for third stage of pyrolysis.
- Fig. 11. Plots of $\ln k_1$ vs. $10^3 \cdot T^{-1}$ using Dave-Chopra equation for cellulose (\circ) and cellulose phosphoramidate samples (ii) (Δ), (iii) (\square), (iv) (\bullet), (v) (\blacktriangle) and (vi) (\blacksquare) for first stage of pyrolysis.
- Page 680. Fig. 12. Plots of $\ln k_1$ vs. $10^3 \cdot T^{-1}$ using Dave-Chopra equation for cellulose (\circ) and cellulose phosphoramidate samples (ii) (Δ), (iii) (\square), (iv) (\bullet), (v) (\blacktriangle) and (vi) (\blacksquare) for second stage of pyrolysis.
- Scheme I. Thermal degradation of cellulose phosphoramidate.
- Page 681. Scheme II. Thermal degradation of cellulose phosphoramidate.
- Page 682. Fig. 13. IR spectra of (a) cellulose phosphoramidate and (b-d) chars of cellulose phosphoramidate at 225, 275 and 350°C, respectively.