

Figure S1: FT-IR spectra of the Nylon substrate and UV-photografted filter.

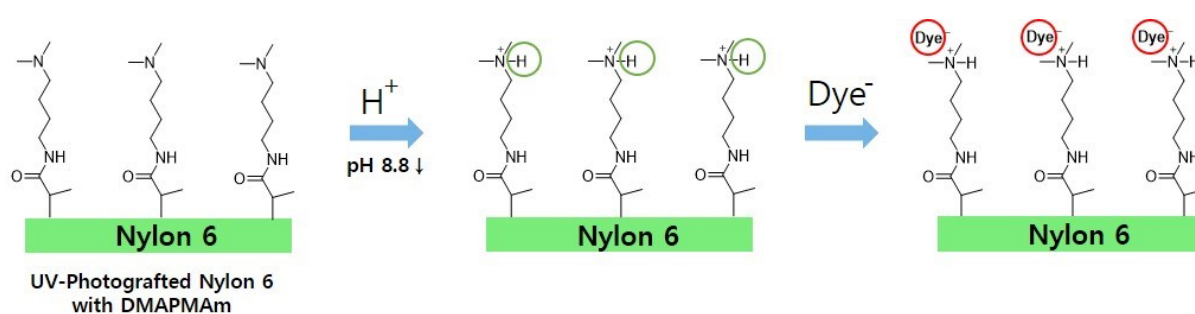


Figure S2: UV-photografting of DMAPMam and dye adsorption mechanism.

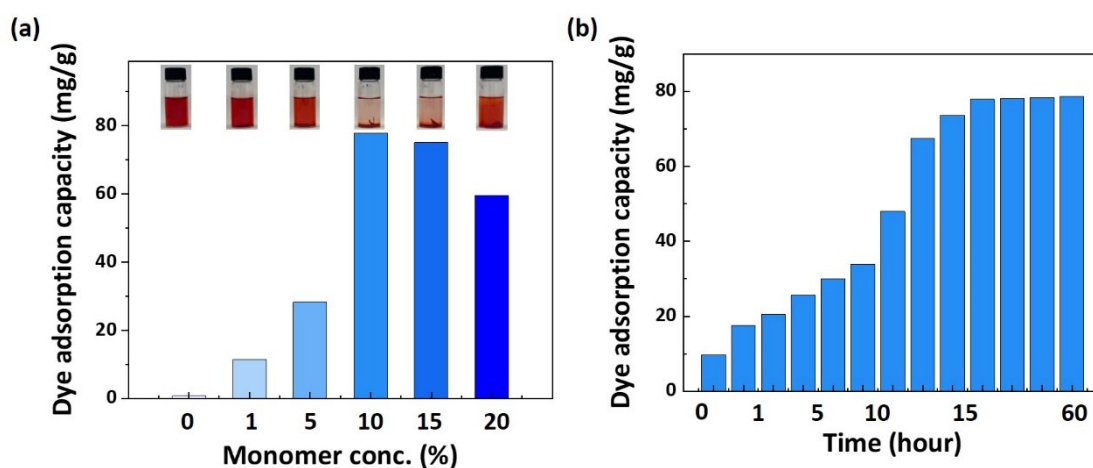


Figure S3: Dye adsorption capacity according to (a) concentration of DMAPMam (b) over time.