

Supplementary Material

for

Role of Functional Monomers upon the Properties of Bisphenol a Molecularly Imprinted Silica Films

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Figure S1. The UV-visible absorption spectra after two steps of washing (1) 1st washing protocol with ethanol and (2) 2nd washing with ethanol-acetic acid (9:1, v/v) for imprinted BPA-MIP_{MPTES} and BPA-MIP_{DAMOT} and their non-imprinted NIP_{MPTES} and NIP_{DAMOT}

Figure S2. UV–visible absorption spectrum of 1.5 µg/mL bisphenol A in ethanol

Figure S3. The calibration curve of BPA in ethanol solution

Figure S4. Thermogravimetric curve (TG) and its derivative (DTG) for BPA template

Figure S5.1-4. Fitting of the experimental ellipsometric data

Manuscript Section 2.3. Synthesis of bisphenol A-molecularly imprinted polymer (BPA-MIP) films

(a)(b)

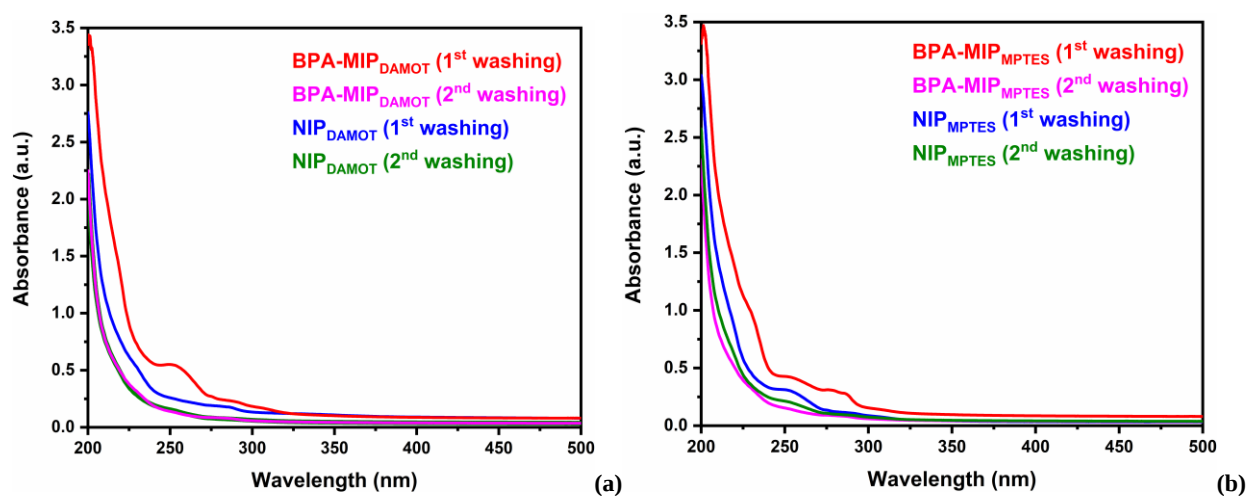


Figure S1. The UV-visible absorption spectra after two steps of washing (1) 1st washing protocol with ethanol and (2) 2nd washing with ethanol-acetic acid (9:1, v/v) for BPA-MIP_{MPTES} and BPA-MIP_{DAMOT} films and their corresponding non-imprinted films- NIP_{MPTES} and NIP_{DAMOT}

Manuscript Section 2.4. Batch Binding measurements of BPA on films

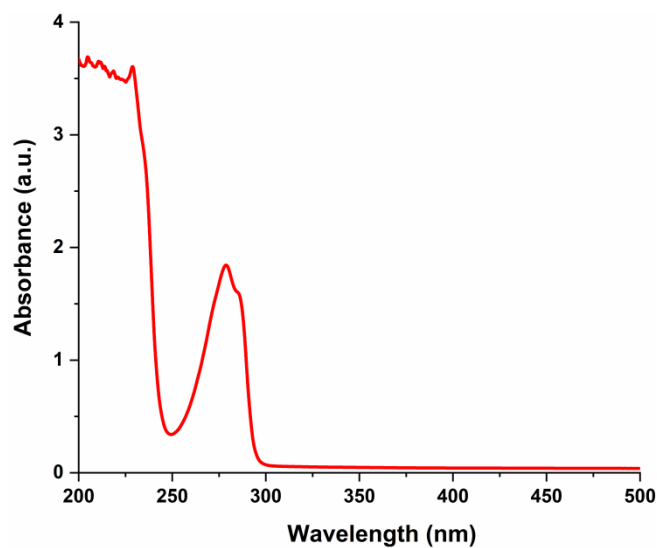


Figure S2. UV-visible absorption spectrum of 1.5 µg/mL bisphenol A in ethanol

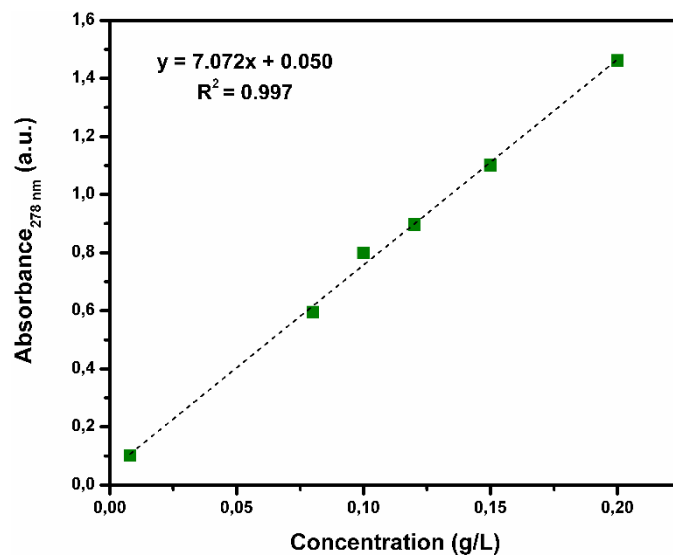


Figure S3. The calibration curve of BPA in ethanol

Manuscript Section 3.4. Thermal stability of films

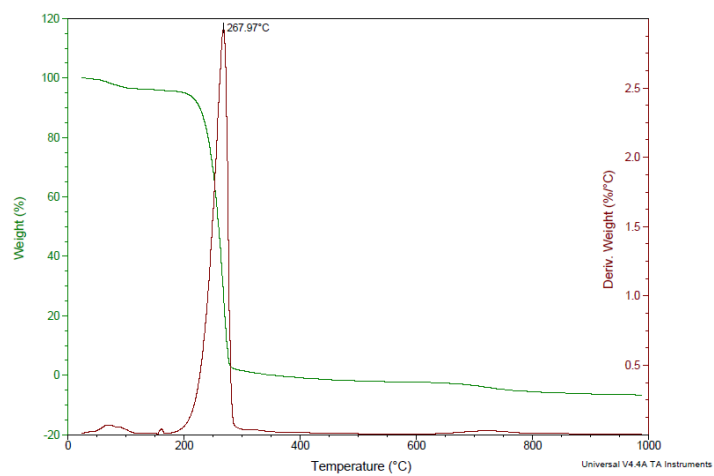


Figure S4. Thermogravimetric curve (TG) and its derivative (DTG) for the BPA template

Manuscript Section 3.5. Optical properties

Fitting of the experimental ellipsometric data

Using the **Cauchy Model** presented below for the transparent area the film thickness was evaluated

