Supplementary data for article:

Prodanović, O.; Spasojević, D.; Prokopijević, M.; Radotić, K.; Markovic, N.; Blažić, M.; Prodanović, R. Tyramine Modified Alginates via Periodate Oxidation for Peroxidase Induced Hydrogel Formation and Immobilization. *Reactive and Functional Polymers* **2015**, *93*, 77–83. https://doi.org/10.1016/j.reactfunctpolym.2015.06.004

Tyramine modified alginates via periodate oxidation for peroxidase induced hydrogel formation and immobilization

Supplemental Data

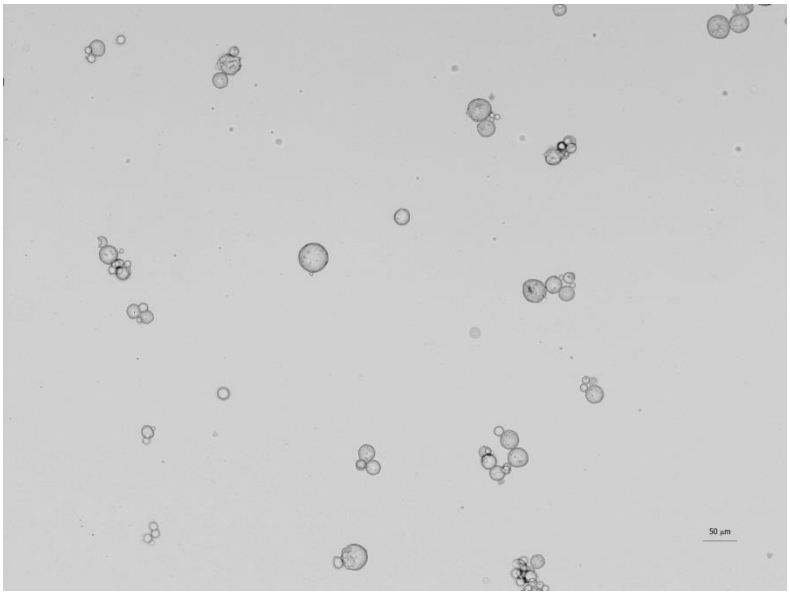

Figure 1 Micrograph of tyramide-alginate micro-beads obtained in enzymatic emulsion polymerization reaction. Average bead size was 29±9 µm and it was calculated by measuring size of 50 microbeads from micrographs obtained using Carl Zeiss Axio Observer Z1, Germany.

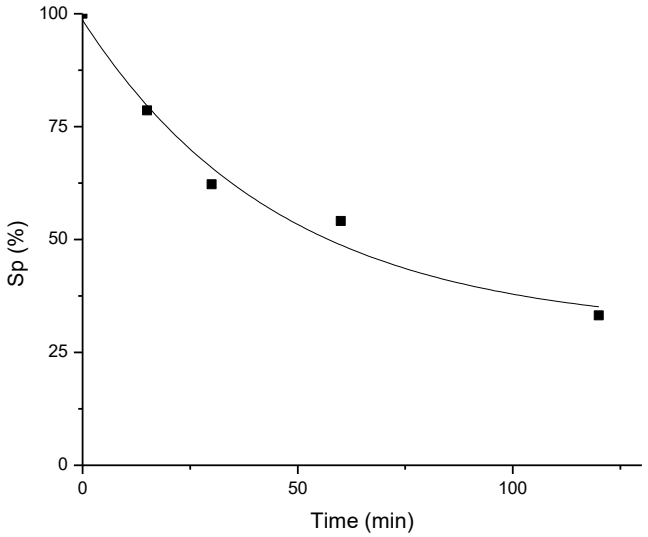

Figure 2. Residual activity of immobilized HRP at 70 ºC versus time.

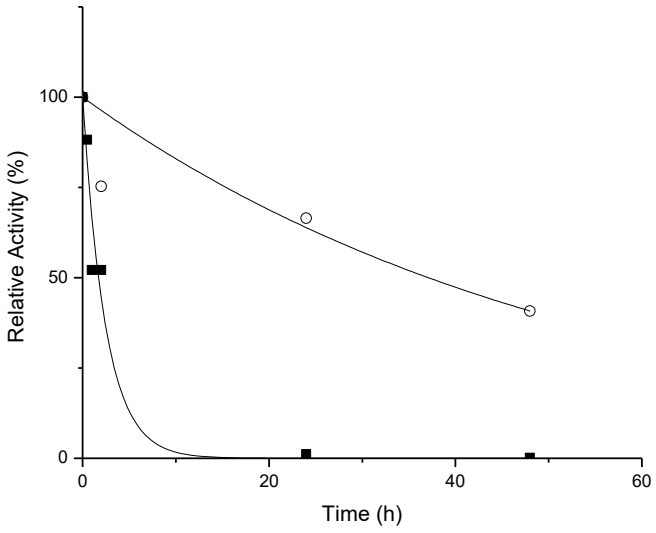

Figure 3. Dependence of residual enzyme activity on incubation time in 80% (v/v) dioxane at 25ºC. $t_{1/2}$=1.7h for soluble HRP; $t_{1/2}$=37h for immobilized HRP.

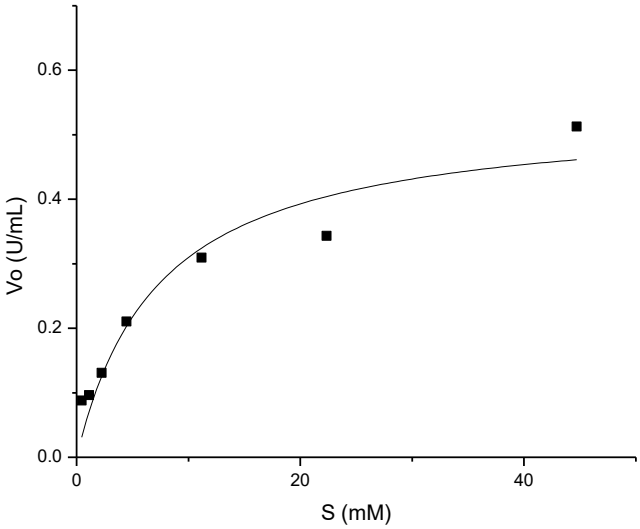

Figure 4. Dependence of specific activity of immobilized enzyme on substrate concentration. Km=7.34 mM, Vmax=0.537 U/mL.