

## A-Amylase immobilization on amidoximated acrylic microfibers activated by cyanuric chloride

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### Supplementary Figure 1

Time hour	Residual activity %	OD at 560nm (n/3)
4	37	0.277
8	61	0.458
12	84	0.630
16	85	0.634
20	85	0.629
24	85	0.631

**Supplementary Figure 1** Effect of immobilization time on the relative activity of the immobilized  $\alpha$ -amylase. The effect of immobilization time was carried out by determining the activity of enzyme after immobilization in different time. a 1cm<sup>2</sup> section of acrylic fabric was used to determine the activity of immobilized enzyme on activated acrylic microfibers. The immobilized  $\alpha$ -amylase was incubated at 37 °C for 30 min with 1 ml of starch (1%), 1ml of 50 mM sodium acetate buffer 5.5; 1 ml of dinitrosalicylic acid (DNS) reagent was used. The immobilized enzyme was removed from the reaction mixture and washed with distilled water before added DNS reagent.

