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Determination of Formaldehyde using Sensor Formaldehyde

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Abstract : Determination of formaldehyde using sensor formaldehyde. The aim of this study was to make SPCE-based formalin sensors using cellulose acetate as ionophore by studying the effect of pH, response time and its application on salted fish samples. The results showed that the formalin sensor gave the optimum measurement results at the pH of the solution at 4 with a response time of 10 seconds. The results of measuring formalin in salted fish using sensors compared to the spectrophotometric method gave results that were not significantly different.

Key words : ion selective electrode, formaldehyde sensor, Screen Printed Carbon Electrode (SPCE).

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