

## عنوان مقاله:

Usage and Characteristics of Plasticizers as Ion-Selective Electrodes: A Short Review

## محل انتشار:

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## خلاصه مقاله:

Plasticizers is a type of organic materials that can be enhanced to polymers for improving their several characteristics; for example, mechanical properties and pliantness. Plasticizers are veritably significant for the construct of polymeric membrane for potentiometric methods, a significant type of sensors for electrochemical methods. The suitable application of plasticizers in the formulation of membranes for preparing electrodes. The character of the plasticizer effects fundamental operation pointers of the ion-selective membrane electrodes; for example, slope, selectivity, and the area of linear reply. A plasticizer in the membrane formulation has to be well-matched with the ionophore and polymer and have a small solubility and an upper lipophilicity in solution as aqueous. The selection of the high-quality plasticizer for the improvement of a membrane special to an accurate ion ordinarily includes experimental assessments to discover the ionophore with the plasticizer having suitable response properties of the ion-selective electrodes are acquired. Some instances of choosing good suited plasticizer for the formulation of selective electrodes .responsive have been given for organic and inorganic ions

## کلمات کلیدی:

Plasticizers, phthalates, Green chemistry, Polymer, Low molecular weight, Ion Selective Electrodes

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