

Oxalic Acid Assay kit

Oxalic acid is a dibasic carboxylic acid, which is widely present in the plant kingdom, and has different functions in different fields: in the industrial production of medicine, printing and dyeing, plastics, etc. In production, oxalic acid can be used as pharmaceutical raw materials, complexing agents, bleaching agents, precipitating agents and reducing agents; from a food point of view, long-term consumption of vegetables with high oxalic acid content. It is easy to cause diseases such as arthritis, hypocalcemia, bladder stones and kidney stones, and is considered to be an antagonist of mineral elements.

Fe³⁺ can form a purple complex with sulfosalicylic acid at pH 2 with a characteristic absorption peak at 510 nm. Oxalate and oxalate can make the purple complex of Fe³⁺ and sulfosalicylic acid lighter, and the absorbance of Fe³⁺ and sulfosalicylic acid complex decreases with the increase of oxalic acid, according to this calculate the content of oxalic acid in the sample from the reduced absorbance value.

Catalog No.	250436
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Visible spectrophotometry
Storage/Stability	2 ~ 8°C/1 year
Shipping	Gel Packs