

Titration

Description/Parameters

The titration is used to determine the iodine number. The methodology for determining the iodine number is standardized according to the German standard DIN 53582 [1]. Initial solutions of iodine, sodium thiosulfate and starch are used for the determination.

Utilization/Services

Determination of the iodine number is a general method for characterizing the sorption capacity of a sorbent. This represents the quantity of iodine absorbed by a specified quantity of sorbent, correlating with the sample's surface area and adsorption capacity.



[1] DIN 53582, Prüfung von Rußen; Bestimmung der Jodadsorptionszahl, 1983, Berlin: sDeutsches Institut Für Normung e.V.