



Method Summary

Determination of Total Dissolved Solids Dried at 180°C for Waters, Wastewaters and Leachates using a gravimetric procedure

Scope and Range

This method is applicable to natural waters, ground water, surface water, sewages, industrial effluent and leachates.

Detection limit: 10 mg/l

Working range: 10- 2000 mg/l

Principle

Preparation and Extraction

Samples are filtered through a 0.45µm filter.

Analysis

A portion of filtered sample is measured in to a pre-weighed foil dish or glass beaker. The dish is dried in an oven at 105°C, then placed in a second oven at 180°C for one hour and then re-weighed. The dissolved solid content of the sample is calculated from the difference in the two weights.

Interferences

Waters containing bicarbonate may require prolonged drying at 180°C.