



CONCEPT LIFE SCIENCES

METHOD STATEMENT FOR THE DETERMINATION OF TOTAL SUSPENDED SOLIDS

INTRODUCTION

The procedure described herein outlines the determination of total suspended solids in water samples by gravimetric analysis.

PRINCIPLE

Water samples are filtered through pre-weighed filters and the residue collected on the filter is dried to constant weight. The measured weight change is the total suspended solids in the volume of sample.

PERFORMANCE CHARACTERISTICS

RANGE OF APPLICATION

- Aqueous samples 0.0001 to 50 g

LIMIT OF DETECTION

- Aqueous samples circa 0.1 mg

ANALYTICAL QUALITY CONTROL

Analytical quality control is maintained by a number of measures:

- Analysis of reagent / method blanks within each analytical batch.
- Participation in external proficiency testing and inter-laboratory schemes such as AQUACHECK.