

Method Number: TM 383

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Method Summary**TM383 Gravimetric Determination of Fats, Oils and Greases by Cyclohexane Extraction****Scope and Range**

This method details the cyclohexane extraction of liquid samples by a liquid-liquid stirred extraction method to quantify the extractable fats, oils and greases present. It can be applied to ground waters, surface waters, final effluents and associated matrices. It does not currently hold any accreditation; however a full 7x2 validation exercise has been carried out.

Sample Range: 1mg/l - 10⁶mg/l

References

none

Principle

A known volume of liquid sample is added to a 200ml glass bottle. The sample is then stirred with solvent (cyclohexane). The solvent is then extracted and evaporated leaving a residue. The residue is weighed and related back to the initial volume of sample to give the concentration of cyclohexane extractable matter in the sample.

Interferences

Solvents, reagents glassware and other sample processing hardware may yield artefacts and/or interferences under the conditions of analysis. This is undertaken by analysis of extracted blanks.