OPSIS®
LIQUIDLINE®

Solutions for Beverages

Wet Chemistry Analyses for Soda, Juice, Tea, Coffee and Spirits producers

Crude Protein

OPSIS LiquidLINE has solutions for determination of Kjeldahl (TKN) protein following standard methods.
The samples are digested with sulphuric acid to convert nitrogen into ammonium sulphate. The samples are further distilled by steam distillation followed by titration.
Examples: Nitrogen in Sugar and Syrups and Protein in Tea

Our Solution

- The KjelROC Digestor Advanced motor lift makes the digestion efficient and saves valuable operator time.
- KjelROC Analyzer with integrated Titration offers titration with low relative standard deviation and wireless communication saving time and costs.

Standards

ISO 1871
ISO 5983-2
AOAC 920.103, 920.176
AOAC 2001.11
SSD:TM:506
SSD:TM:507

Application Notes

LA1000 Application Guide Kjeldahl
Further Notes on request

Total SO_2

OPSIS LiquidLINE has solutions for determination of Total SO_2 with steam distillation, following standard methods.
Total sulphur dioxide is liberated by acidic steamz distillation and is fixed and oxidized by hydrogen peroxide. The sulphuric acid formed is determined by separate titration, using third party instruments.
Examples: Total SO_2 in Fruit Juices

Our Solution

- OPSIS LiquidLINE glass tubes ensure stable and reliable results.
- KjelROC Distillation unit with programming capabilities makes distillation easy. A special adaption kit for SO_2 determination can be ordered.

Standards

AOAC 962.16

Application Notes

LA1000 Application Guide Kjeldahl
Further Notes on request

Alcohol in Spirits

OPSIS LiquidLINE has solutions to help when determining Alcohol in Spirits. After steam distillation the Alcohol is determined by measuring the density of the distillate.
Examples: Alcohol in Cognac, Gin, Vodka and other spirits

Our Solution

- KjelROC Auto or Manual Distillation unit with programming capabilities make distillation easy.

Standards

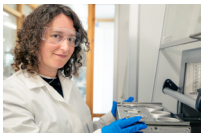
SSD:TM:506
SSD:TM:507
EEC 2870

Application Notes

LA1000 Application Guide Kjeldahl
Further Notes on request

OPSIS LiquidLINE - Innovative Wet Chemistry

OPSIS AB, founded in 1985 in Sweden, took the concept of measuring gases with light and developed it into a commercially viable product. In 2013, we took another step and moved our innovative technology into Wet Chemistry and Liquids.



Application Laboratory Ready to Assist

We have our own Wet Chemistry laboratory in Sweden, ready to assist you in any challenges you might have. We do not only test your instrument prior to shipment but we can also develop applications and provide assistance to optimise your methods.

Customised Training and Support from Sweden

A combination of young engineers and very senior advisors, most of them with over forty years of experience in wet chemistry instruments, is a powerful combination. We can offer dedicated and skilful technical and application support on-site as well as dedicated customer sessions on internet. You are never alone when selecting OPSIS LiquidLINE.

Latest in Maintenance

Our products include maintenance recommendations as well as hands-on guides on how to perform analyses. To raise the standard we have implemented the concept of QR-codes on components for tracking component failures, advanced service menus with service tracking and capabilities for remote login and support.

A Complete Portfolio

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