



Solutions for Beverages

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

Crude Protein

OP SIS 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 SO₂

OP SIS LiquidLINE has solutions for determination of Total SO₂ 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 SO₂ in Fruit Juices

Our Solution

- OP SIS LiquidLINE glass tubes ensure stable and reliable results.
- KjelROC Distillation unit with programming capabilities makes distillation easy. A special adaption kit for SO₂ determination can be ordered.

Standards

AOAC 962.16

Application Notes

LA1000 Application Guide Kjeldahl
Further Notes on request

Alcohol in Spirits

OP SIS 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