



Solutions for Wine

Wet Chemistry Analyses for Wine and Vinegars 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: Protein in Wine

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
OIV-MA-AS323-02B
SSD:TM:504
SSD:TM:505

Application Notes
LA1000 Application Guide Kjeldahl
Further Notes on request

Volatile Acids

Acetic acid in wine, sometimes referred to as volatile acidity, is created by spoiling yeasts and bacteria and is monitored in wine production. OP SIS LiquidLINE has solutions to help when determining Volatile Acids. After steam distillation the test sample is analyzed by titration.

Examples: Determination of Volatile Acids in Wine and Vinegars.

Our Solution

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

Standards
OIV-MA-AS313-02
EEC 2676

Application Notes
LA1000 Application Guide Kjeldahl
Further Notes on request

Alcohol in Wine

OP SIS LiquidLINE has solutions to help when determining Alcohol in Wine. After steam distillation the Alcohol is determined by measuring the density of the distillate.

Examples: Alcohol in Wine

Our Solution

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

Standards
OIV-MA-AS312-01A
EEC 2676
EEC 2870

Application Notes
LA1000 Application Guide Kjeldahl
Further Notes on request

Total SO₂ in Wine

OP SIS LiquidLINE has solutions for determination of Total SO₂ with steam distillation, following standard methods. Total sulphur dioxide is liberated by acidic steam 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 Wine and Vinegars

Our Solution

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

Standards

OIV-MA-AS323-04A
AOAC 962.16

Application Notes

LA1000 Application Guide Kjeldahl
Further Notes on request

OP SIS LIQUIDLINE - INNOVATIVE WET CHEMISTRY

OP SIS 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 OP SIS 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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