

NEXTChem Process Analyzers, Inc.

On-Line Anionic Surfactant

Industry: Metal Pre-Treatment/Finishing, Semiconductor, and Beverage

Sample Filtration is eliminated, in samples with high solids. For samples requiring dilution ≤ 2 mm particles can easily be handled. For non-dilution samples ≤ 6 mm particles pose no problem. No other system can match this rugged design.

NEXTChem Analyzers can provide accuracy only matched by the most precise laboratory equipment. Our reagent precision pumps deliver titrants with ± 0.001 mL reproducibility. Potentiometric analyses are utilized thus eliminating errors caused by electrode drift.



Analysis of Anionic Surfactant

Anionic Surfactant is determined by ion selective titration. The endpoint is found with a surfactant electrode.

Reactions:

Hyamine 1622 + anionic surfactant \rightarrow Precipitate

Reagents:

100% ethanol, Hyamine 1622, 1% Sodium Laurel Sulfate

Sensor:

Surfactant Electrode 120 mm

Detection Limits / Interferences:

Dilution: 784,000 – 156 ppm
Non-Dilution: 2986 – 0 ppm (lower detection limit 15 ppm)
Interferences: Other Surfactants

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