

ANALYSIS	TEST METHOD	ANALYSIS	TEST METHOD
A		Manganese	AAS Flame
Acidity	Titrimetric	Mercury (Hg)	Cold Vapor AAS
Alkalinity	Titrimetric	Moisture	Oven Drying / Gravimetric / NIR /
Aluminum (Al)	Nitrous Oxide		Dole Moisture Test
Ammonia	Phenate Method	N	
Ammoniacal N	Titrimetric	Nickel (Ni)	AAS Flame
Antimony (Sb)	Nitrous Oxide	Nitrate	Colorimetric
Arsenic (As)	AAS Electrothermal	Nitrite	Colorimetric
Ash	Gravimetric	O	
B		Odor	Sensory Evaluation
Barium (Ba)	Nitrous Oxide	Oil and Grease *	Liquid - Liquid Partition
Benzene	GC-MS	P	
Biochemical Oxygen Demand (BOD)	5Day BOD Test	Pepsin Digestibility	Filtration
Boron (B)	Nitrous Oxide	pH	Electrometric
Bromite	Ion Chromatography	Phenols	5530 C Chloroform Extraction
C		Phosphorus	Colorimetric
Cadmium (Cd)	AAS	Posphate	Colorimetric
Calcium (Ca)	AAS and Titrimetric	Potassium	Flame AAS
Calcium Hardness	EDTA Titrimetric	Protein Digestibility	Filtration
Calcium Solubility	Gravimetric	Protein Solubility	KOH / Kjeldahl
Chemical Oxygen Demand (COD)	Open Reflux Method	R	
Chloride	Titrimetric	Rancidity	Color Development
Chromium	AAS	Residual Chlorine	Colorimetric
Chromium Hexavalent	Colorimetric	S	
Cobalt (Co)	AAS	Salinity	Electrometric
Color	Visual Comparison	<i>Salmonella spp.</i>	Conventional Method
		Salt	Titrametric
Complete Bacteriological	Multiple Tube Fermentation	Saponification Value	Titrimetric
Conductivity	Electrometric	Selenium	AAS - Electrothermal
Copper	Flame AAS	Settleable Solids	Imhoff Cone Volumetric
Crude Fat	Fatex Solvent Extraction / Soxlet	Silica	Colorimetric
Crude Fiber	Gravimetric / Ankom / Weendee	Sodium	Flame AAS
Crude Protein	Kjeldahl / NIR / Dumas	Starch	Colorimetric
F		Sulfate	Turbidimetric
Fecal Coliform	Multiple Tube Fermentation	Surfactants	Anionic Surfactants as MBAS
Formaldehyde	Chronotropic	T	
Free Fatty Acid (Feeds)	Titrimetric	Tannic Acid	Colorimetric
Free Fatty Acid (Oil)	Titrimetric	Taste	Sensory Evaluation
H		Temperature	Glass Mercury Filled
Hydrogen Sulfide	4500 - S2 D Methylene Blue	Total Coliform Count	Multiple Tube Fermentation
I		Total Dissolved Solids	Gravimetric
Insoluble Impurities	Gravimetric	Total Hardness	EDTA Titrimetric
L		Total Solids	Gravimetric
Lactose	Colorimetric	Total Suspended Solids	Gravimetric
Lead (Pb)	AAS Flame	Turbidity	Nephelometric
M		Unsaponifiable Matter	Gravimetric
Magnesium (Mg)	AAS Flame	Urease Activity	Ion Electrode
Magnesium Hardness	EDTA Titrimetric	Z	
Managanese	AAS Flame	Zinc	Flame AAS

\*laboratory evaporates n-hexane solvent in water bath instead of using distillation setup.