



The QTA® system has the broad capabilities of a laboratory instrument, yet remains easy to use at your site because all development, data processing, monitoring and maintenance is performed at our central location.

QTA Capabilities

Chemical Composition

Oil, Protein, amino acids, fatty acids, sugar, surfactant concentration, ingredient concentration, complex blends, etc.

Physical Properties

Viscosity, pH

Surface Characteristics:

Coating thickness, color, absorbed moisture

Ongoing applications analyzing:

- Grains, seeds, meals
- Pesticide formulations, adjuvant formulations, seed treatments
- Other chemical formulations: personal care products, resins
- Fermentation processes: yeast, antibiotics
- Extent of chemical reaction: e.g. degree of ethoxylation, esterification, polymerization, monomer content, etc.
- Fingerprinting of raw materials
- Foods and food processing: sugars, acidity, viscosity, moisture, solids, vitamin & supplement content, nutrients, trans fat

Specific Examples:

- Pesticide formulations: single ai and multi-component ai content in liquid formulations, seed treatment ai content, ai content on granules and fertilizer
- Nylon resins: monomer content, moisture, viscosity
- Paints: moisture, VOCs
- Sauces: sugar, acidity, moisture, viscosity
- Meats: fat content, moisture
- Lubricants: Iodine value, acid value, moisture
- Oleochemicals, biodiesel: fatty acids, free fatty acids, IV, methyl esters, mono & diglycerides, distillates
- Proximate analyses for canola, corn, soybean, wheat, barley, flax, soy meal, soy flour, canola meal
- Canola chlorophyll, glucosinolate, IV, fatty acids
- Corn amino acids, soy amino acids
- Corn Ethanol fermentation process streams
- Wheat falling number, wet gluten hardness
- Coffee moisture, bean color
- Fatty acid profiles for sunflower, flax, canola, soybean
- Soy fiber, sugar, NSI, isoflavones
- Corn starch
- Resin formulations

To have a QTA® solution customized for your specific need, please contact:

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