

Application report light

Colour [Hazen] of Acrylic Acid

SIGRIST product

- ColorPlus Ex

Industry

- Chemical industry, petrochemical industry

Typical application

- Measurement is carried out at the end of the discoloration process. The product must not have any discoloration.
- The colour of acrylic acid is determined to monitor quality.
- Measurement at 365 nm (absorption)/650 nm (turbidity compensation)
- Measuring range 0–10 Hazen, typically 0–2 Hazen
- As a rule, heated measuring cell

Use

- Production of plastics, glues, surface coatings (colours), textiles, water treatment, tensides, super absorbents etc.

Additional information

Acrylic acid or propenoic acid belong to the group of unsaturated carboxylic acids. It is a colourless chemical compound, mixable with water, liquid at room temperature and has a pungent acidic smell. Acrylic acid acts highly corrosive and is inflammable. Its salts and esters (acrylic acid ester) are called acrylates. The worldwide consumption of acrylic acid has increased dramatically in recent decades. This rapid growth in demand can be attributed above all to the use of superabsorbent polymers in the hygiene industry.



ColorPlus Ex in-line on Varivent®



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