

Application report light

Turbidity in Methacrylic Acid

SIGRIST product

- DualScat Ex

Industrie

- Chemical industry

Typical application

- The turbidity in methacrylic acid is measured as an optical control parameter of the production process.
- The product must be clear so measurement is carried out for quality control.
- Measuring range typically 0–10 NTU
- Scattered light 90°
- Temperature normally max. 100 °C
- FFPM seals
- Increased demands on the measuring instrument due to high concentrations of hazardous cyanide.

Use

- In the production of synthetic dispersions, as wetting agent or thickener, e.g. in the production of dispersion paints.
- Methacrylic esters are used for the production of plastics, e.g. Plexiglass.

Additional information

Methacrylic acid is a colourless liquid with a pungent smell and it is caustic. Methacrylic acid is soluble in water, alcohol and ether; as an aqueous solution it exhibits a strongly acid reaction. Its salts and esters are called methacrylate.

The instruments are mostly used in the Ex area.



DualScat Ex



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