



Tech

Technical Data

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BABCOCK TEST SULFURIC

GENERAL DESCRIPTION:

Babcock Test Sulfuric is a clear, colorless solution that is diluted from Reagent Grade Sulfuric Acid

APPLICATIONS

- ◆ The Babcock test is designed to determine fat content in milk:
 - 1) Measure milk into graduated test tube (Usually take 18 grams of milk or 17.6 milliliters)
 - 2) Add 17.6 milliliters of 90-92% Sulfuric Acid
 - 3) Centrifuge at 50°C
 - 4) Measure the fat which floats to top of test tube

PHYSICAL & CHEMICAL PROPERTIES:

- ◆ **Appearance:** clear, colorless liquid
- ◆ **Strength (H₂S₀₄):** 90.5-92.7%
- ◆ **Color (APHA Units):** 10 Max
- ◆ **Chloride (as ppm Cl):** 0.2 Max
- ◆ **Nitrate (as ppm NO₃):** 0.5 Max
- ◆ **Heavy Metals (as ppm Pb):** 1.0 Max
- ◆ **Iron (as ppm Fe):** 0.2 Max
- ◆ **Mercury (as ppm Hg):** 0.005 Max
- ◆ **Specific Gravity @ 20°C:** 1.82-1.83

HANDLING & STORAGE:

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not allow contact with water. Discard contaminated shoes. Use only with adequate ventilation. Do not breathe spray or mist.

Storage: Do not store near combustible materials. Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from water. Corrosives area. Do not store near alkaline substances. Store protected from moisture.

[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)