

Honeywell Burdick & Jackson®

1953 South Harvey Street
Muskegon, MI 49442

TETRAHYDROFURAN
Contains No Preservative**Product Number AH340**
Packaged in 4L Glass Bottles**Specifications:**

Water: Less than 0.030% by Karl Fischer titration

Ultraviolet absorbance:

Wavelength, nm	Maximum Absorbance
212	1.000
250	0.200
300	0.025
350	0.005
400	0.005

Refractive index: 1.4070 \pm 0.0005 at 20°C

Residue: Less than three mg/L

Purity: Greater than 99.8% by GC analysis

Peroxides: Less than 2 mg/L as H₂O₂ at time of packaging

Color (APHA): Less than 20

Physical Properties:

Molecular weight: 72.11

Boiling point: 66°C

Vapor pressure: 142 mm/Hg

Freezing point: -108.5°C

Refractive index: 1.4072 at 20°C

Density: 0.888 g/mL (7.41 lb/gal) at 20°C

0.881 g/mL (7.35 lb/gal) at 25°C

Dielectric constant: 7.58 at 25°C

Dipole moment: 1.75 D at 25°C

Solvent group: 3

Polarity index (P'): 4.0

Eluotropic value on alumina: 0.45

Eluotropic value on octadecylsilane: 3.7

Viscosity: 0.55 cP at 20°C

Surface tension: 26.4 dyn/cm at 25°C

Solubility in water: Miscible in all proportions

Regulatory and Safety Data:

DOT Hazard Class: 3, Pkg Grp II, UN 2056, Flammable Liquid

Store in an area designed for flammable storage, or in an approved metal cabinet,
away from direct sunlight, heat, and sources of ignition

EPA Waste Code(s): U213, D001

Flash point: 6°F (-14°C) by closed cup

Lower explosive limit: 2%

Upper explosive limit: 11.8%

Peroxide hazard: Check for presence of peroxides before concentrating

Time Weighted Average: 200 ppm ACGIH

Refer to Material Safety Data Sheet for additional regulatory, health and safety information.**Suggested Applications:**

For HPLC, spectrophotometry and applications requiring ACS Reagent Grade solvents.