

**Honeywell Burdick & Jackson®**

1953 South Harvey Street  
Muskegon, MI 49442

**METHANOL****Product Number AH230****Packaged in 4L Glass Bottles and 20L NOWPAK "Bag in a Bottle" Container****Specifications:**

Appearance: Clear

Water: Less than 0.05% by Karl Fischer titration

Ultraviolet absorbance:

Wavelength, nm	Maximum Absorbance
205	1.000
225	0.180
250	0.020
300	0.005
400	0.005

Refractive index:  $1.3284 \pm 0.0004$  at 20°C

Residue: Less than three mg/L

Purity: Greater than 99.9% by GC analysis

Substance darkened by sulfuric acid: Passes ACS test

Substances reducing permanganate: Passes ACS test

Color (APHA): Less than 10

Solubility in water: Passes ACS test

Carbonyl compounds: Less than 0.001% as acetone, formaldehyde, and acetaldehyde

Titrable acid: Less than 0.3 µeq/g

Titrable base: Less than 0.2 µeq/g

HPLC gradient elution: Passes ACS test

**Physical Properties:**

Molecular weight: 34.04

Boiling point: 64.7°C(148.5°F)

Vapor pressure: 97mm Hg at 20°C

Freezing point: Not applicable

Refractive index: 1.3284 at 20°C

Density: 0.7913 g/mL (6.603 lb/gal) at 20°C

0.7866 g/mL (6.564 lb/gal) at 25°C

Dielectric constant: 32.70 at 25°C

Dipole moment: 2.87 D at 20°C

Solvent group: 2

Polarity index (P'): 5.1

Eluotropic value on alumina: 0.95

Eluotropic value on octadecylsilane: 1.0

Viscosity: 0.059 cP at 20°C

Surface tension: 22.55 dyn/cm at 20°C

Solubility in water: Miscible in all proportions

**Regulatory and Safety Data:**

DOT Hazard Class: 3, Pkg Grp II, UN 1230, Flammable Liquid or Flammable Liquid and Toxic (International)

Store in an area designed for flammable storage, or in an approved metal cabinet,

away from direct sunlight, heat, and sources of ignition

EPA applicable waste code(s): U154, D001

Flash point: 52°F (11°C) by closed cup

Lower explosive limit: 6.0%

Upper explosive limit: 36.0%

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.