

**Honeywell Burdick & Jackson®**

1953 South Harvey Street  
Muskegon, MI 49442

**WATER  
(LC-MS Grade)****Product Number LC365**  
**Packaged in 1L and 2.5L Glass Bottles****Specifications:**

UV Cutoff: 190 nm

Refractive Index(20°C): 1.3330 ± 0.0005

Residue: Less than one mg/L

HPLC Gradient Elution: No UV absorbing peak greater than 0.005 absorbance unit (1 cm path length)  
at 200 nm in a gradient from 100% water to 100% acetonitrile on a 15 x 0.46 cm  
HLD C8 column with 5µM packing after and initial loading of 20mL water.

LC-MS positive mode: No greater than 50 ppb as reserpine and 100 ppb as caffeine

LC-MS negative mode: No greater than 50 ppb as 4-nitrophenol

Fluorescence: No impurity greater than 0.3 ppb as quinine base

Trace metals:

Ag, Ba, Cd, Co, Cr, Cu, Fe, Mn, Ni, Pb, Sn 5ppb max.

K, Mg 10ppb max.

Ca, Na, Al 50ppb max.

Note: Ca and Na levels may increase with time due to leaching from the glass bottle.

**Physical Properties:**

Molecular weight: 18.02

Boiling point: 100°C

Vapor pressure: 31.68 hPa at 25°C(77°F)

Freezing point: 0°C(32°F)

Refractive index: 1.3330 at 20°C

Density: 0.9982 g/mL (8.329 lb/gal) at 20°C

0.9971 g/mL (8.319 lb/gal) at 25°C

Dielectric constant: 80.1 at 20°C

Dipole moment: 1.87 D at 20°C

Solvent group: 8

Polarity index (P'): 10.2

Viscosity: 1.00 cP at 20°C

Surface tension: 72.8 dyn/cm at 20°C

**Regulatory and Safety Data:**

DOT Hazard Class: Not regulated

Flash point: None

Lower explosive limit: Not listed

Upper explosive limit: Not listed

Time Weighted Average: Not listed

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

For LC-MS, HPLC and spectrophotometry.