

**0.1% FORMIC ACID IN ACETONITRILE
(LC-MS Grade)**

Product Number LC441

Packaged in 2.5L and 1L Glass Bottles

Specifications:

Formic Acid(v/v): 0.10 ± 0.01%

UV Cutoff: Record value

Residue: Less than one mg/L

HPLC Gradient Elution: No UV absorbing peak greater than 0.01 absorbance unit (1 cm path length) at 254 nm, or 0.02 absorbance unit at 215nm. Record value at 235nm.

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

Trace metals:

Ag, Ba, Cd, Co, Cr, Cu, Fe, Ni, Pb, Sn, Mn,	50ppb max.
K, Mg, Ca, Na, Al	

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

Physical Properties:

Molecular weight: Not applicable

Boiling point: 82°C(180°F)

Vapor pressure: 97 hPa at 20°C(68°F)

Freezing point: -51°F(-46°C)

Solubility in water: 100%

Regulatory and Safety Data:

DOT Hazard Class: 3, UN1648, Pkg Grp II, Flammable Liquid

Store in a dry, cool and well-ventilated area suitable for flammable liquids. Keep away from heat, sources

of ignition and direct sunlight. Store away from incompatible substances.

EPA applicable waste codes: D001 & U003

Flash point: 46°F (8°C) by closed cup

Lower explosive limit: 3.0%

Upper explosive limit: 16.0%

Time Weighted Average: 20 ppm (Acetonitrile) 5 ppm (Formic Acid) ACGIH

Refer to Material Safety Data Sheet for additional regulatory, health and safety information.