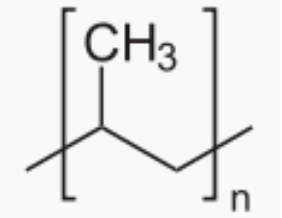
Are the MS Compatible Plastic Vials Hydrophobic or Hydrophilic - FAQ

Date: 9-OCTOBER-2015 Last Updated: 27-OCTOBER-2025

The polymer used in the LCMS compatible vials consists only of repeating hydrocarbon monomer units that have no polar or ionizable groups, so the polypropylene vials are *hydrophobic* .



A primary reason one might use these vials is to avoid undesirable properties of hydrophilic silanols on conventional borosilicate glass vials is their hydrophobicity. The silanolic groups of glass can bind with basic functional groups, especially with proteins, where they cause low recovery and quantitative accuracy issues. The purity of the plastic and extremely low extractables including ions makes these vials LCMS compatible. They represent a solution to these common problems as they may be more inert in this respect especially compared with other plastic vials.

Click HERE for LCMS compatible screw top vial ordering information.
Click HERE for LCMS compatible snap top vial ordering information.

MicroSolv Technology Corporation
9158 Industrial Blvd. NE, Leland, NC 28451
Tel: (732) 380-8900
Fax: (910) 769-9435
Email: customers@mtc-usa.com
Website: www.mtc-usa.com