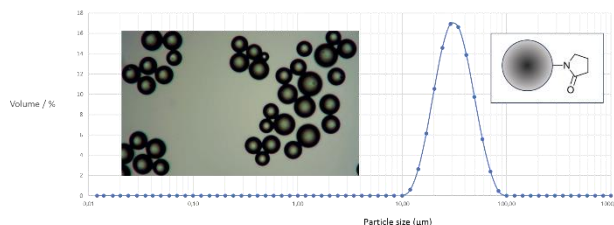


TEMIZ™ HLB-SPE Resin

Material overview

TEMIZ™ HLB SPE Resin is a polymeric resin with a combination of hydrophobic (DVB/Sty) and polar properties (Pyrrolidone) and are made in a size range optimal for use in analytical flow-through columns such as for SPE.

Resin backbone	DVB/Sty
Particle size	20-90 µm
Porosity	mesoporous
Surface	Pyrrolidone



Material properties and areas of use

This resin is an alternative to HLB SPE products on the market. Although all these alternative HLB products are similar, each commercial HLB resin may perform differently, and the user must determine which variant is best suited for their specific application.

TEMIZ™ HLB is characterized by being easily water-wettable thereby obviating a pre-conditioning step in the sample preparation process. The resin is pH stable from 1-14, has an exceptionally broad selectivity for small organics and therapeutic small or oligomeric biomolecules spanning a wide range of differing polarities and Log P values. Target matrices are aqueous and include food or environmental matrices but also biological samples such as urine, serum, plasma, or the like.

Application and format

Column format

Recommended use is in solid phase extraction (SPE)-LC-MS/MS applications. The user may pack TEMIZ™ HLB SPE into SPE columns, multi-well plates or other formats for use in bio/analytical applications. It allows for a simplified SPE workup (user must optimize their specific method):

- 1) dilute sample
- 2) wash with water/5% MeOH
- 3) elute with MeOH/AcN 1:1

Suspension format

The resin can also be used in suspension mode to adsorb the target compounds. The resin can then be either filtered off or separated from the liquid by sedimentation. Further desorption and elution steps can be applied and adapted depending on the target application.

For more information, contact us at info@redstone-sep.com