

Forbidden additives

- Alkali salts and non-volatile buffers (phosphate, citrate, borate...) because of signal suppression and ionization interference.
- Polyethylene glycol (PEGs), plastics and plasticizers suppress the signal and clutter the spectrum.
- Detergents suppress ionization and compete for ionization, in particular, Tween (any), Triton (any), NP-40 and SDS.
- Additives that compete for ionization. Additives are carbohydrates, glycerol, EDTA, Urea, GnHCl.
- TFA because of signal suppression and ionization interference.
- Buffers composed of materials not described in the “tolerable additives” section.
- Anything yielding an extreme pH (i.e., less than 2 or greater than 10).
- Particulate matter.
- Anything else which may harm the instrumentation.