Extractables

Chemicals released from drug process equipment or packaging under lab conditions.

WHERE DO LEACHABLES COME FROM?
- Container-Closure
- Label
  - Ink
  - Solvent
  - Adhesive
  - Varnish
- Plasticizer
- Lubricant
- Pigment
- Stabilizer
- Antioxidant
- Monomers
- Slip agent
- Flame retardant

Leaching probability

Drug impurity that migrates from process equipment or packaging during storage or usage.

IMPURITIES

NON-VOLATILES

VOLATILES

SEMI-VOLATILES

ELEMENTAL

COST OF LEACHABLE STUDY CIRCA $2m

REDUCE RISK

Visit thermoscientific.com/Leachables