



Solvents & Chemicals

Styrene



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Styrene is a colorless oily liquid which is produced annually by the millions of pounds. The majority of the styrene used is converted into polystyrene, which is a rigid clear thermoplastic polymer that can be molded into objects or made into foam, which is used as a packing material and thermal insulator. Other thermoplastic or even thermosetting resins are prepared from styrene by copolymerization with suitable comonomers. A smaller quantity of styrene goes into the manufacture of synthetic rubbers. Because the composition and impurities in polystyrene are so critical to its performance, the DPS Styrene GC Systems are configured with the latest designed high resolution capillary column and the sensitive FID detector to quickly detect these compounds. The Series 600 GC is for analyses in the lab, or use the Portable Companion 1 GC System for analyses right where the samples are taken. The fast heating and rapid cooling column oven in every DPS GC vastly increases your sample throughput. The fully integrated Styrene GC Analyzer Systems are small and lightweight and all DPS systems are modular for expandability, upgrades, and easy service.



Series 600 GC

Available Configurations Include:

- 600-C-122 - Series 600 Styrene GC Analyzer (FID, 30m)
- 600-C-122 - Companion 1 Portable Styrene GC Analyzer (FID, 30m)

Styrene Impurities



Companion 1 Portable GC

Peak	Component	Area
1	1,3-Butadiene	766.1
2	Butene	439.3
3	Acrylonitrile	93.2
4	Diethylhydroxylamine	81.9
5	Toluene	643.1
6	Vinylcyclohexene	831.5
7	Ethylbenzene	668.3
8	m-Xylene	652.0
9	o-Xylene	374.9
10	Styrene	2745.1
11	Cumene	263.0

