

PSS portfolio covers all major GPC/SEC products and services.

PSS stands for innovative products and excellent quality.

PSS established partner for R&D and for quality control.

PSS products are available throughout the world.

PSS just one contact for any GPC related question or solution.

GPC/SEC Sample Testing

PSS runs one of the world's leading [sample testing centers](#). Highly qualified staff with expertise in almost all kinds of LC polymer characterization use their experience with modern instrumentation for any question related to polymer analysis.

Regardless of molecular weight averages and molecular weight distribution, structure analysis or compound identification and compound reformulation: PSS operates all required methods and instrumentations, such as molar mass detectors (Viscosity and Light Scattering), FT-IR interfaces or even 2-dimensional chromatography. Method development and method transfer including in-house research complete these services. Of course, all laboratories are DIN ISO Quality certified.

GPC/SEC Consumables

PSS provide a comprehensive range of organic and aqueous soluble [polymeric reference standards](#) and many composed polymers, tailored to customers' specifications.

The large selection of sorbents for [GPC columns](#) set industrial benchmarks. A wide range of different stationary phases with different pore sizes and polarities allow a perfect match to all eluents, polymers, and molecular weights.

This wide range of polymeric reference materials of different grades and GPC columns for all kind of applications are manufactured and distributed by PSS.

For a perfect analysis of synthetic polymers, all kinds of copolymers and biopolymers, PSS offers a perfect application. From highly sophisticated sample testing up to product screening and high throughput applications PSS provides always an optimum solution. For perfect biopolymer characterization the newest column developments were introduced recently.

GPC/SEC Software

WinGPC Unity is the most sophisticated and dedicated GPC software. The [Macromolecular Chromatography Data System](#) integrates all LC and GPC instruments and detectors into one environment. This concept allows to implement all kind of instruments, detectors and analysis methods under a well-known and established surface.

Another highlight is the seamless 2-dimensional software which couples different LC techniques. Established chromatographic techniques allow to characterize the molecular heterogeneity as well as the chemical heterogeneity within one experiment.

GPC/SEC Instrumentation

Good relations to most important manufacturer of [LC components for GPC](#) measurements allow PSS to provide the best choice for customer's application – independent on labels or brands.

Starting from conventional LC-components up to special detectors, PSS generate smart solutions such as [GPC-Viscosity](#) (with the ability to measure correct molar masses independent of the calibration standards used), [GPC-Light Scattering](#) (as an absolute method for the determination of molar masses), or by combining GPC with online viscometer and MALLS light scattering detector (absolute measurement of branching, aggregation, agglomeration structure parameters, or gel content). Substance identification can be done with the [FT-IR/ MALDI Interface](#).