What are "narrow" and "broad" standards in gel permeation chromatography (GPC)?

**ENVIRONMENT**

- Gel permeation chromatography (GPC)

**ANSWER**

**Narrow standards** have narrow molecular-weight distribution and are typically chemically different than the sample. The polydispersity is less than 1.15.

**Broad standards** have broad molecular-weight distribution and are usually the same polymer as the sample being analyzed. The polydispersity is more than 1.5.

**ADDITIONAL INFORMATION**

**Polydispersity** is the ratio of weight average molecular weight (Mw) to the number average molecular weight (Mn).