



## TECHNICAL DATA SHEET

CAT# P01xxx (Silica Gel G) or P02xxx (Silica Gel GF)

**Analtech Brand Silica Gel G/GF TLC Plates**

Silica Pore: 60Å

Silica Particle Size: 8-10 µm average

Binder: Calcium sulfate a.k.a. gypsum (inorganic)

Hardness: 20-40

Acceptable solvents: All typical chromatography solvents (20% water max)

Visualization Techniques: Compatible with essentially all visualization reagents, even sulfuric acid charring. Spraying reagent is suggested; layer is incompatible with aqueous dipping technique.

General Description: Considered to be the original "Classic" TLC plate. Gypsum (calcium sulfate) binder produces softer layer for easy scraping and removal of spots or bands for further analysis. This is the best choice when preparative work is needed using thicker coatings to isolate larger quantity of material. Because the binder is inorganic, it is compatible with aggressive visualization techniques such as sulfuric acid charring. Limited water tolerance due to slight solubility of calcium sulfate in water precludes dipping procedure but is applicable with spray techniques.

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