

RP-18 W/UV254 octadecyl-modified nano silica layers for HPTLC, glass

Base material: Nano-K silica 60, specific surface (BET) ~500 m²/g, mean pore size 60 Å, specific pore volume 0.75 ml/g, particle size 2 to 10 µm; for preparative plates (1 mm thickness of layer) standard silica 60, particle size 5 to 17 µm, pH stability 2 to 10 indicator: acid-resistant product with a pale blue fluorescence for short-wave UV (254 nm); UV-absorbing substances appear as dark-blue to black spots on a light-blue background; partial octadecyl modification, wettable with water, carbon content 14 %. 18-100 normal phase or reversed phase separation modes with eluents from anhydrous solvents to mixtures with high concentrations of water (see figure); the relative polarity of the eluent determines the polarity of the layer.

Recommended application: aminophenols, barbiturates, preservatives, nucleobases, polycyclic aromatic hydrocarbons, steroids, tetracyclines, plasticizers (phthalates).

Available as glass plates with or without fluorescent indicator (UV 254).

Material	Width mm	Length mm	Dimensions (WxL)	Film thickness µm	PK	Cat. No.
Glass	50	200	50 x 200 mm	250	50	4.004 880
Glass	100	100	100 x 100 mm	250	25	6.206 173
Glass	100	200	100 x 200 mm	250	50	4.004 879
Glass	200	200	200 x 200 mm	250	25	4.004 878
Glass	200	200	200 x 200 mm	1000	15	4.004 881