

High-performance silica plates (HPTLC)

HPTLC plates AMD with an extra thin layer of only 100 µm have been specifically developed for even more demanding applications such as automated multiple development (AMD). It combines the repeated development of the plate in the same direction and reproducible gradient elution. AMD development provides extremely narrow bands, allowing the complete resolution of up to 40 components over a distance of 60 mm.

HPTLC Premium Purity plates are designed for high performance, completely contamination-free separations especially in demanding pharmacopeial applications.

- Highly pure, exhibiting minimal background even with medium-polar solvent systems
- Identical separation performance to the related HPTLC plate product
- Especially suited for pharmacopeial applications

HPTLC Premium Purity plates are based on the HPTLC Silica gel 60 F₂₅₄ plate but in addition are carefully wrapped in dedicated plastic coated aluminium foil. The special packing prevents any deposition of plasticizers such as phthalates from the wrapping material that could appear as unknown extra zones when using medium-polar solvent systems such as toluene / ethyl acetate (95/5) and which can be stained by derivatization reagents.

Ordering information – HPTLC silica gel 60, glass backed

Product	Ordering No.	Format [cm]	Contents of one package
HPTLC silica gel 60	1.05641.0001	20 x 10	50 plates
	1.05631.0001	10 x 10	25 plates
	1.05633.0001	10 x 10	100 plates
HPTLC silica gel 60 F ₂₅₄	1.05642.0001	20 x 10	50 plates
	1.05628.0001	10 x 10	25 plates
	1.05629.0001	10 x 10	100 plates
	1.05616.0001	5 x 10	25 plates
HPTLC silica gel 60 F _{254s}	1.15696.0001	20 x 10	25 plates
HPTLC silica gel 60 WR F _{254s}	1.15552.0001	20 x 10	25 plates
HPTLC silica gel 60 AMD extra thin layer *	1.11764.0001	20 x 10	25 plates
HPTLC silica gel 60 AMD WR F _{254s} extra thin layer *	1.12363.0001	20 x 10	25 plates
HPTLC silica gel 60 / Premium Purity Plate	1.05648.0001	20 x 10	50 plates
HPTLC silica gel 60 Prescored	1.05644.0001	5 x 5	100 plates

Layer thickness: 200 µm / * 100 µm | W: Water resistant | F₂₅₄: Green fluorescent indicator | F_{254s}: Blue fluorescent indicator

Ordering information – HPTLC silica gel 60, aluminium backed

Product	Ordering No.	Format [cm]	Contents of one package
HPTLC silica gel 60	1.05547.0001	20 x 20	25 sheets
HPTLC silica gel 60 F ₂₅₄	1.05548.0001	20 x 20	25 sheets
	1.05556.0001	5 x 7.5	20 sheets

Layer thickness: 200 µm | F₂₅₄: Green fluorescent indicator