

ADAMANT ^G unmodified standard silica layers

★ Key features

- Outstanding hardness and abrasion resistance due to an optimized binder system
- Increased separation efficiency due to an optimized particle size distribution
- High suitability for trace analysis resulting from a UV indicator with increased brilliance and a lownoise background of the layer

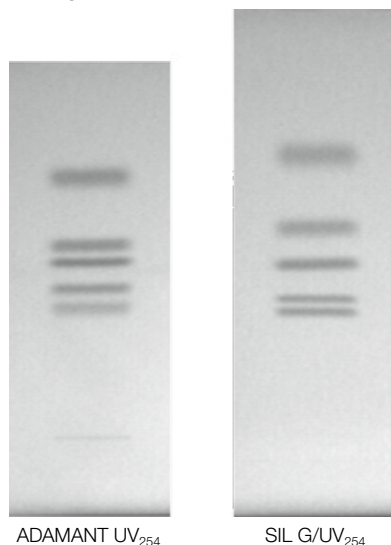
🔧 Technical characteristics

- Silica 60, mean pore size 60 Å, specific surface (BET) ~ 500 m²/g, specific pore volume 0.75 mL/g, particle size 5–17 µm

Separation of steroids

MN Appl. No. 402930

Layers: ADAMANT UV₂₅₄, SIL G/UV₂₅₄
 Sample: 0.1 % solution in CHCl₃
 Eluent: chloroform – methanol (97:3, v/v)
 Migration distance: ADAMANT 50 mm in 10 min, SIL G 57 mm in 10 min
 Detection: UV

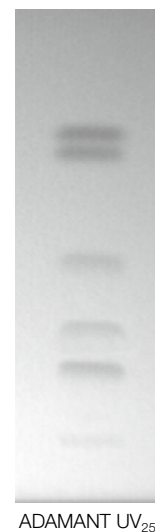


Substance	R _f ADAMANT	R _f SIL G
Cortisone	0.37	0.27
Corticosterone	0.43	0.30
Testosterone	0.50	0.39
Deoxycorticosterone	0.55	0.46
Progesterone	0.73	0.62

Separation of barbiturates

MN Appl. No. 402950

Layer: ADAMANT UV₂₅₄
 Sample volume: 1 µL
 Eluent: chloroform – acetone (95:5, v/v)
 Migration distance: 70 mm in 20 min
 Detection: UV



Substance	R _f
Thiamylal (0.5 %)	0.69
Thiopental (1.0 %)	0.65
Hexobarbital (5.0 %)	0.41
Pentobarbital (1.0 %)	0.26
Phenobarbital (1.0 %)	0.18

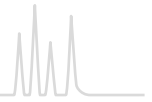
Ordering information

Plate size [cm]	2.5 x 7.5	5 x 10	5 x 10	5 x 20	10 x 10	10 x 20	20 x 20	Thickness of layer	Fluorescent indicator
Pack of [plates]	100	50	200	100	25	50	25		

Glass plates

ADAMANT		821040	821040.200		821050		821060	0.25 mm	–	
ADAMANT UV ₂₅₄		821005	821010	821010.200	821015	821020	821025	821030	0.25 mm	UV ₂₅₄

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