



ALUGRAM® Xtra SIL G Ax unmodified standard silica layers on aluminum

★ Key features

- Outstanding wettability for precise colorization results, even with 100 % aqueous detection reagents
- Excellent separation efficiency and reproducibility from lot to lot
- Easy and reliable cutting due to an optimized binder system, no flaking of silica

🔧 Technical characteristics

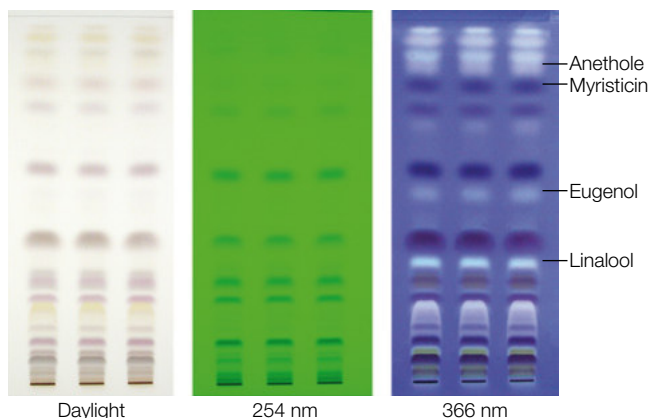
- Silica 60, mean pore size 60 Å, specific surface (BET) ~ 500 m²/g, specific pore volume 0.75 mL/g, particle size 5–17 µm
- Binder: highly polymeric product, which is stable in almost all organic solvents and resistant towards aggressive visualization reagents, also completely stable in purely aqueous eluents

Separation of nutmeg ingredients

MN Appl. No. 403590

Layer: ALUGRAM® Xtra SIL G UV₂₅₄
 Sample: shake 1.0 g freshly powdered drug for 3 min with 4 mL methanol and filter; apply 10 µL
 Eluent: toluene – ethyl acetate (95:5, v/v)
 Migration distance: 15 cm
 Detection: 254 nm: underivatized
 daylight and 366 nm: spray with 5 % ethanolic sulfuric acid, 1 % vanillic acid and heat to 105 °C

The chromatograms show the following zones with increasing R_f values: linalool (bluish grey), eugenol (yellowish brown), myristicin (reddish brown), and anethole (pink-violet). Other colored zones may appear.



Ordering information

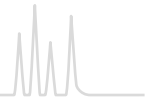
Plate size [cm]	2.5 x 7.5	4 x 8	5 x 7.5	5 x 10	5 x 20	10 x 20	20 x 20	Thickness of layer	Fluorescent indicator
Pack of [plates]	200	50	20	50	50	20	25		

ALUGRAM® Xtra aluminum sheets

SIL G			818230.20	818261	818232		818233	0.20 mm	–
SIL G/UV ₂₅₄	818329	818331	818330.20	818360	818332	818362	818333	0.20 mm	UV ₂₅₄

Further application examples can be found online in our application database at www.mn-net.com/apps

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