



# Specification

1.05628.0001 HPTLC Silica gel 60 F<sub>254</sub> 25 Glass plates 10 x 10 cm

## Specifications

Specific surface area (according to BET; 5-Pt. measurement)	480 - 540	m <sup>2</sup> /g
Pore volume (N <sub>2</sub> -isotherm)	0.74 - 0.84	ml/g
d 50 (laser diffraction, size distribution)	5 - 7	µm
Layer thickness	150 - 200	µm
Deviation of layer thickness per plate	≤ 35	µm

## hRf-values

### A) Colour test

Bleu VIF Organol	16 - 25
Ceres black	39 - 55
Ceres violet BRN	55 - 67
Separation number	≥ 11.0

## hRf-values

### B) Steroid test

Hydrocortisone	27 - 38
Reichstein S	40 - 51
Methyltestosterone	46 - 58

Typical value determined on a conditioned plate

Eluent A) Toluene (45% rel.humidity)

Eluent B) Ethyl acetate/Toluene (95/5 v/v; 20% rel.humidity)

Tom Kupfer

Responsible laboratory manager quality control

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