



Specification

1.05635.0001 HPTLC Silica gel 60 F₂₅₄ Multiformat pre-scored to 5 x 5 cm ex Glass plates
10 x 10 cm

Specifications

| | | |
|---|-------------|-------------------|
| Specific surface area (according to BET; 5-Pt. measurement) | 480 - 540 | m ² /g |
| Pore volume (N ₂ -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 - 51 |
| 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)

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Responsible laboratory manager quality control

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