

### SepaFlash™ TLC Plates, Aluminum-Backing, Silica, 20 x 20 cm, 200 µm, F254, 25/box

**Part Number:** TL-BM3101

#### General Description

These aluminum-backed TLC plates offer superior handling, flexibility, and durability for precise and reproducible chromatographic analysis. The high-performance silica coating ensures exceptional wettability, delivering sharp and reliable colorization results, even with 100 % aqueous detection reagents or eluents. Designed for excellent separation efficiency and lot-to-lot reproducibility, these plates provide consistent performance across experiments. The optimized binder system allows for easy and reliable cutting without silica flaking, ensuring convenience and durability. Lightweight and easy to handle, these TLC plates are an essential tool for efficient and accurate thin-layer chromatography.

#### General Information

<b>Adsorbent:</b>	Bare silica
<b>Adsorbent Particle Size:</b>	5 - 15 µm average
<b>Adsorbent Pore Size:</b>	60 Å
<b>Backing:</b>	Aluminum
<b>Binder:</b>	Proprietary polymer binder
<b>Indicator:</b>	Yes (UV 254)
<b>Layer Hardness:</b>	Standard layer, 300 - 500 (easy to write on with pencil)
<b>Layer Thickness:</b>	200 µm
<b>Plate Size:</b>	20 x 20 cm
<b>Qty / Box:</b>	25 plates

#### Visualization Techniques

Compatible with and resistant to all visualization reagents, including the most aggressive ones.

#### Acceptable Solvents

Compatible with all standard chromatography solvents, including 100 % aqueous systems.

#### Storage Conditions

Store in a dry place at room temperature, away from direct sunlight and moisture.

#### Testing Guidelines and Specifications

<b>Layer Thickness</b>	<b>150 – 305 µm</b>
<b>Migration Distance (10 minutes)</b>	
<u>Conditions</u>	<u>Minutes</u>
Toluene : Cyclohexane (2:1)	4.2 – 6.0 cm
<b>Separation Anthraquinone Dyes</b>	
<u>Components</u>	<u>Rf Values</u>
Violet 1	0.45 – 0.60
Blue	0.18 – 0.32
Red	0.05 – 0.20
Violet 2	0.00 – 0.10