

Certificate of Conformity

VWR Catalogue Number	551-0005
Description	TLC aluminium plates with Silica gel coating, unmodified layers, 200µm Layer Thickness, 60 Å Pore Size, F254 Fluorescent indicator, 200 × 200 mm Plate Size
Lot Number	520942719
Expiry Date (yyyy-mm)	2032-09
Country of Origin	Manufactured in Germany
Date of Issue (yyyy-mm-dd)	2025-03-18

Quality System Compliance

Products are manufactured under the **ISO 9001:2015** standard. Products are inspected and controlled through whole production processing in accordance with current applicable product specifications and QC SOP.

QC Testing

Representative products samples are collected and inspected in accordance with current applicable QC requirements.

Product Specifications

Material	Aluminium plates Absorbent: Unmodified Silica.
Sterilization	Not Applicable.
ATP Assay	Not Applicable.
DNase & RNase Free	Not Applicable.
BSE/TSE	Not Applicable.
Cytotoxicity	Not Applicable.

Non-Pyrogenic Statement	Not Applicable.
Latex Statement	Not Applicable.
BPA Statement	Not Applicable.
DEHP Statement	Not Applicable.
RoHS	Not Applicable.
REACH Statement	Not Applicable.
Storage Conditions	Room temperature.
Shelf Life	10 Years.

Disclaimer: VWR states that this declaration will not discharge the user from their obligation to ensure the product is suitable for the intended use. The purpose of the product is for use in laboratory only.
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Annexure

Parameter	Specification	Result
Surface area [m ² /g]	350-450	417
Pore Volume [mL/g]	0.70-0.80	0.75
Particle Size-50% volume [μm]	8.0-12.0	10.0
Layer Thickness [μm]	170-230	191

Chromatographic Test

Violet 2 (hRf)	3-6	5
Red (hRf)	10-15	15
Blue (hRf)	22-30	29
Violet 1 (hRf)	47-55	53

Chromatographic procedure

Separation of anthrachinone dyes (horizontal developing chamber; cond. of layer, 50 % rel. humidity for 10 min.)

Eluent: toluene/cyclohexane (2:1, v/v)

Migration time: 10 min.

Migration distance: 51.2 mm