



BUCHI Certificate of Analysis (CoA)

Product Characteristics

Product:	Melting Point Calibration Kit B-540/B-545
Order code:	037454
LOT number kit:	3745426F1
Date of testing:	24/06/2026
Production date:	23/06/2026
Kit expiry date:	28/06/2029 (Discard 12 months after opening)

Components

Substance name	Specification
Vanillin	LOT number substance: B086226F1 Certified melting point: $82.1 \pm 0.2^{\circ}\text{C}^*$ Expiry date: 28/06/2029
Phenacetin	LOT number substance: B130626F1 Certified melting point: $135.4 \pm 0.2^{\circ}\text{C}^*$ Expiry date: 28/06/2029
Caffeine	LOT number substance: B064826F1 Certified melting point: $236.8 \pm 0.2^{\circ}\text{C}^*$ Expiry date: 28/06/2029

*: maximum standard deviation, S_{n-1}

The above-mentioned melting point values are for measurements in pharmacopoeia mode at 0.5 °C/min heating rate.

The melting points in this certificate are traceable to primary standards (Laboratory of the Government Chemist, London).

Storage: Room temperature, keep dry and tightly closed.

QC release date: 24/06/2026

Certificate issue date: 26/06/2026

This certificate is electronically generated and does not require a signature.

This certificate must not be reproduced except in full.