



Certificate of Analysis

Product: Melting Point Verification Kit B-540/B-545
Order code: 037667
LOT Number kit: 03766724E1
Date of testing: 11/06/2024
Production date: 10/06/2024
Kit expiry date: 28/05/2027, discard 12 months after opening

Components:

4-acetyl benzonitrile: LOT number substance: BMP05724E1
Certified melting point: $58.0 \pm 0.2^{\circ}\text{C}^*$
Expiry date: 28/05/2027

m-toluic acid: LOT number substance: BMP11024E1
Certified melting point: $112.0 \pm 0.2^{\circ}\text{C}^*$
Expiry date: 28/05/2027

Sulphanilamide: LOT number substance: BMP16524E1
Certified melting point: $165.4 \pm 0.2^{\circ}\text{C}^*$
Expiry date: 28/05/2027

Phenolphthalein: LOT number substance: BMP260524E1
Certified melting point: $261.8 \pm 0.2^{\circ}\text{C}^*$
Expiry date: 28/05/2027

The above mentioned melting point values are for measurements in pharmacopoeia mode at $0.5^{\circ}\text{C} / \text{min}$ heating rate

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

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: 11/06/2024

Approved By: C. Ashton, QC Supervisor

Certificate Issue Date: 11/06/2024

