



Certificate of Analysis

Product: Melting Point Calibration Kit M-560/565
Order code: 11055018
LOT Number kit: 1101822K1
Date of testing: 26/10/2022
Production date: 25/10/2022
Kit expiry date: 28/10/2025, discard 12 months after opening

Components:

4-Nitrotoluene LOT number substance: BMP053522J1
Certified melting point: $52.3 \pm 0.2^{\circ}\text{C}^*$
Expiry date: 28/10/2025

Diphenylacetic Acid: LOT number substance: BMP147522J1
Certified melting point: $147.8 \pm 0.2^{\circ}\text{C}^*$
Expiry date: 28/10/2025

Caffeine: LOT number substance: BMP236522J1
Certified melting point: $236.8 \pm 0.2^{\circ}\text{C}^*$
Expiry date: 28/10/2025

Potassium Nitrate: LOT number substance: BMP334522J1
Certified melting point: $334.9 \pm 0.2^{\circ}\text{C}^*$
Expiry date: 28/10/2025

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: 26/10/2022

Approved By:

Eileen Malone

Eileen Malone - QC Technician

Certificate Issue Date: 26/10/2022

