

Certificate of Analysis

Product Name: METTLER TOLEDO CALIBRATION SUBSTANCE 18555,
BENZOIC ACID

Product Number: 73983

Product Brand: Sigma-Aldrich

Molecular Formula: C₇H₆O₂

Molecular Mass: 122.12

CAS Number: 65-85-0

LOT BCCK5243 RESULTS

APPEARANCE (COLOR) WHITE

APPEARANCE (FORM) POWDER

MELTING POINT 122.3 °C (STANDARD DEVIATION = 0.2 °C)
(FOR MEASUREMENTS IN THERMODYNAMIC MODE)

123.4 °C (STANDARD DEVIATION = 0.2 °C)
(FOR MEASUREMENTS WITH A
METTLER TOLEDO THERMOSYSTEM FP IN
PHARMACOPEIA MODE AT 1.0 °C /MIN HEATING RATE)

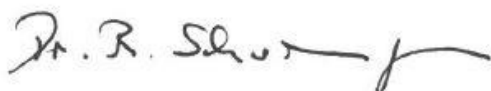
124.3 °C (STANDARD DEVIATION = 0.2 °C)
(FOR MEASUREMENTS WITH A
METTLER TOLEDO MP MELTING POINT SYSTEM IN
PHARMACOPEIA MODE AT 1.0 °C /MIN HEATING RATE)

EXPIRATION DATE MAY 2025

QC RELEASE DATE 31 MAY 2023

THE VALUE FOR THE MELTING POINT IS AN AVERAGE OF 6 TO 12 MEASUREMENTS WITH A METTLER TOLEDO MP90 EXCELLENCE MELTING POINT INSTRUMENT THAT IS CALIBRATED WITH PRIMARY STANDARDS.

THE MELTING POINT IS TRACEABLE TO A PRIMARY STANDARD (LGC, LONDON).



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland