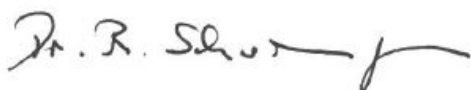


Certificate of Analysis

Product Name: Ninhydrin
ACS reagent
Product Number: 151173
Batch Number: BCCC1943
Brand: Sigma-Aldrich
CAS Number: 485-47-2
Formula: $C_9H_6O_4$
Formula Weight: 178.14
Quality Release Date: 09 OCT 2019
Recommended Retest Date: AUG 2024

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE TO YELLOW AND PINK	YELLOW
APPEARANCE (FORM)	POWDER OR CRYSTALLINE POWDER OR CRYSTALS OR GRANULES	GRANULES
MELTING POINT (DEC.)	APPROXIMATELY 250 C	253 C
SOLUBILITY	10 MG/ML, H ₂ O; CLEAR, PALE YELLOW SOLUTION	PASS
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
APPLICATION TEST	SENSITIVITY TO AMINO ACIDS PASS	PASS
ACS SPECIFICATIONS	SOLUBILITY AND SENSITIVITY TO AMINO ACIDS: PASS	CORRESPONDS TO ACS (11TH ED.)



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.