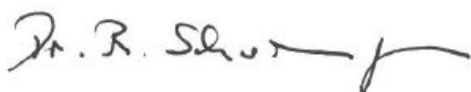


Certificate of Analysis

Product Name: 3,3',5,5'-Tetramethylbenzidine
≥ 99 %
Product Number: 860336
Batch Number: BCCF7622
Brand: Aldrich
CAS Number: 54827-17-7
Formula: $[-C_6H_2(CH_3)_2-4-NH_2]_2$
Formula Weight: 240.34
Storage Temperature: 2-8 C
Quality Release Date: 07 MAY 2021
Recommended Retest Date: MAY 2027

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE TO YELLOW AND FAINT BEIGE TO BEIGE	OFF-WHITE
APPEARANCE (FORM)	POWDER	POWDER
PURITY (GC AREA %)	≥ 99.0 %	100.0 %
SOLUBILITY	5%, ETHYL ACETATE: CLEAR TO SLIGHTLY HAZY COLORLESS TO YELLOW, YELLOW-GREEN OR ORANGE SOLUTION	5%, ETHYL ACETATE: CLEAR, VERY LIGHT ORANGE SOLUTION
CARBON CONTENT	79.2 - 80.7 %	79.9 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
TEST BY UV SPECTROSCOPY	75 MG/10 ML CHCL ₃ ; MILLIMOLAR ABS ≤ 3.0 @ 400NM	CONFORMS



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.