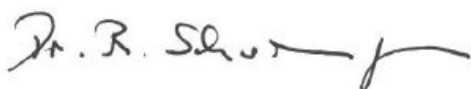


Certificate of Analysis

Product Name: 4-(Dimethylamino)benzaldehyde
ACS reagent, 99 %
Product Number: 156477
Batch Number: BCCD2553
Brand: Sigma-Aldrich
CAS Number: 100-10-7
Formula: $(\text{CH}_3)_2\text{NC}_6\text{H}_4\text{CHO}$
Formula Weight: 149.19
Quality Release Date: 12 JUN 2020
Recommended Retest Date: APR 2022

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	OFF WHITE TO LIGHT YELLOW AND FAINT BEIGE TO LIGHT BEIGE	OFF-WHITE
APPEARANCE (FORM)	POWDER	POWDER
COLOR (IN APHA)	≤ 60 APHA	44 APHA
PURITY (GC AREA %)	≥ 98.5 %	100.0 %
MELTING POINT	73 - 75 C	74 C
SOLUBILITY (METHOD)	50MG/ML, 10% HYDROCHLORIC ACID	PASS
SOLUBILITY	40 MG/ML, ETOH: PASSES TEST	PASS
RESIDUE ON IGNITION	≤ 0.1 %	< 0.05 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
ABSORBANCE (1)	0.00 - 0.10	0.02
ACS SPECIFICATIONS	MEETS CURRENT ACS REQUIREMENTS	CORRESPONDS



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.