


Certificate of Analysis

Product Name: BROMOCRESOL PURPLE
BioReagent, indicator, Dye content 90 %
Product Number: 114375
Batch Number: BCBW2643
Brand: Sigma-Aldrich
CAS Number: 115-40-2
Formula: $C_{21}H_{16}Br_2O_5S$
Formula Weight: 540.22
Quality Release Date: 20 DEC 2017

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	GREY TO LIGHT PURPLE OR PINK TO YELLOW-TAN	LIGHT PURPLE
APPEARANCE (FORM)	POWDER	POWDER
PURITY (HPLC AREA %)	≥ 89.0 %	98.4 %
SOLUBILITY (COLOR)	ORANGE	ORANGE
SOLUBILITY (TURBIDITY)	CLEAR	CLEAR
SOLUBILITY (METHOD)	C = 0.1 %; ETHANOL	C = 0.1 %; ETHANOL
PH-TRANSITION	5.2	5.2
COLOR	YELLOW	YELLOW
PH-TRANSITION	6.8	6.8
COLOR	PURPLE	PURPLE
CARBON CONTENT	≥ 41.5 %	45.9 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
WAVELENGTH (1) (UV)	418 - 424 NM	422 NM
MOLAR ABSORBANCY INDEX (1)	≥ 22000	24301
SOLVENT (UV)	C = 0.02 G/L; METHANOL	C = 0.02 G/L; METHANOL



Dr. Claudia Geitner
Manager Quality Control
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.