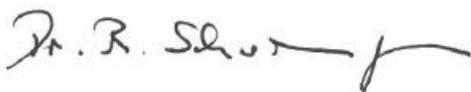


Certificate of Analysis

Product Name: Lissamine™ Green B
Dye content 60 %
Product Number: 199583
Batch Number: BCCD4709
Brand: Aldrich
CAS Number: 3087-16-9
Formula: $C_{27}H_{25}N_2NaO_7S_2$
Formula Weight: 576.62
Quality Release Date: 31 JUL 2020

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	DARK RED OR BLACK	VERY DARK RED
APPEARANCE (FORM)	POWDER	POWDER
THIN LAYER CHROMATOGR.	CONSISTENT WITH HISTORY	CORRESPONDS TO STANDARD
SOLUBILITY (COLOR)	DARK BLUE TO VERY DARK BLUE AND DARK GREEN TO VERY DARK GREEN	VERY DARK BLUE
SOLUBILITY (TURBIDITY)	CLEAR TO VERY HAZY	CLEAR
SOLUBILITY (METHOD)	C=0.1%, WATER	C=0.1%, WATER
CARBON CONTENT	≥ 32.6 %	43.8 %
NITROGEN CONTENT	≥ 2.8 %	3.8 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
WAVELENGTH (1) (UV)	630.0 - 636.0 NM	635 NM
MOLAR ABSORBANCY INDEX (1)	≥ 60000	84474
WAVELENGTH (2) (UV)	300.0 - 306.0 NM	303 NM
MOLAR ABSORBANCY INDEX (2)	≥ 10000	14467
WAVELENGTH (3) (UV)	236.0 - 242.0 NM	239
MOLAR ABSORBANCY INDEX (3)	≥ 50000	63998
SOLVENT (UV)	C = 0.005G/L; WATER	C = 0.005G/L; WATER



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.