

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-24 17:21:02
Date of Next Testing: 2027-08-24 17:21:02
Product Name: **Crystal violet (C.I. 42555)**
CAS Number: 548-62-9
Specifications & Purity: indicator ACS, Reag. Ph Eur
Lot #: H2420039
SKU #: **C432890**
Version: **2**
Analysis #: **288139**
Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Dye content(spectrophotometrically ; calc. on dried substance)	90-100 (%)	96.04800 %
Absorption maximum λ_{max} (water)	589-594 (nm)	589.00000 nm
Loss on drying(110°C, 4 h)	0-7.5 (%)	3.48245 %
Absorbance characteristics(Ratio $E(\lambda_{max}-15nm)/E(\lambda_{max}+15nm)$)	0.98-120	1.10000
Spec. Absorptivity $A_{1\%}/1cm$ (589-594 nm ; 0.002g/; water)	2000-2450	2000.21000
Impurity content(Michler`s ketone)	<0.10 (%)	0.05000 %
Suitability as indicator	conforms	Conforms
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager