

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

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|--------------------------|---|
| Date of Testing: | 2025-05-09 11:04:12 |
| Date of Next Testing: | 2028-05-08 11:04:12 |
| Product Name: | Crystal violet (C.I. 42555) |
| CAS Number: | 548-62-9 |
| Specifications & Purity: | indicator, ACS, Ph.Eur. |
| Lot #: | D2529073 |
| SKU # | C432890 |
| Version | 2 |
| Analysis #: | 476459 |
| Storage Temperature: | Protected from light, Room temperature, Argon charged |

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Dye content(spectrophotometrically ; calc. on dried substance) | 90-100 (%) | 94.46800 % |
| Absorbance characteristics(Ratio E(λ_{max} -15nm)/E(λ_{max} +15nm)) | 0.98-1.2 | 1.13105 |
| Absorption maximum λ_{max} (water) | 589-594 (nm) | 590.00000 nm |
| Spec.AbsorptivityA1%/1cm(589-594 nm ;0.002g/; water) | 2000-2450 | 2166.66667 |
| Loss on drying(110°C,4 h) | 0-7.5 (%) | 2.97343 % |
| Impurity content(Michler`s ketone) | <0.10 (%) | 0.06000 % |
| Suitability as indicator | conforms | Conforms |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager