

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-26 17:50:52

Date of Next Testing: 2027-04-25 17:50:52

Product Name: **Indigotin**

CAS Number: 482-89-3

Specifications & Purity:  $\geq 97\%$

Lot #: D23142331

SKU #: **I104186**

Version: **0**

Analysis #: **042744**

Storage Temperature: Room temperature, Desiccated

| Parameter                                                  | Limit Values               | Result                     |
|------------------------------------------------------------|----------------------------|----------------------------|
| Extinction Coefficient( $\lambda$ :599 - 605 nm)(in CHCL3) | $\geq 8000$                | 9351.29100                 |
| Extinction Coefficient( $\lambda$ :282- 291 nm)(in CHCL3)  | $\geq 13500$               | 16216.81100                |
| Purity(HPLC)                                               | 97-100 (%)                 | 97.01000 %                 |
| Carbon by Elemental Analysis                               | 69.5-73.7 (%)              | 69.50100 %                 |
| Nitrogen by Elemental Analysis                             | 9.9-11.2 (%)               | 9.90100 %                  |
| Appearance (I104186)                                       | Dark Blue to Purple powder | Dark Blue to Purple powder |
| Infrared spectrum                                          | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager