

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2022-12-16 19:15:15

Date of Next Testing: 2026-12-15 19:15:15

Product Name: **Dipyrazino[2,3-f:2',3'-h]quinoxaline-2,3,6,7,10,11-hexacarbonitrile**

CAS Number: 105598-27-4

Specifications & Purity:  $\geq 95\%$

Lot #: L2212084

SKU #: **D414644**

Version: **1**

Analysis #: **170914**

Storage Temperature: Protected from light, Room temperature, Argon charged

| Parameter                      | Limit Values                                       | Result                                             |
|--------------------------------|----------------------------------------------------|----------------------------------------------------|
| Purity(HPLC)                   | 95-100 (%)                                         | 95.82600 %                                         |
| Carbon by Elemental Analysis   | 52.3-57.4 (%)                                      | 56.17000 %                                         |
| Nitrogen by Elemental Analysis | 40.7-44.7 (%)                                      | 43.63000 %                                         |
| Appearance(D414644)            | White to Yellow to Orange to Brown Powder/Crystals | White to Yellow to Orange to Brown Powder/Crystals |
| <sup>13</sup> C NMR Spectrum   | Conforms to structure                              | Conforms to Structure                              |



John Su  
QA & QC Manager