

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-05 18:07:32

Date of Next Testing: 2028-12-04 18:07:32

Product Name: **Piperine**

CAS Number: 94-62-2

Specifications & Purity: Moligand™, ≥97%

Lot #: K2427584

SKU #: **P107402**

Version: **0**

Analysis #: **383318**

Storage Temperature: Store at 2-8°C

| Parameter                                                                | Limit Values                                      | Result                                            |
|--------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Melting point                                                            | 128-133 (°C)                                      | 130.74000 °C                                      |
| Purity(HPLC)                                                             | 97-100 (%)                                        | 97.91200 %                                        |
| Nitrogen by Elemental Analysis                                           | 4.6-5.2 (%)                                       | 4.94600 %                                         |
| Carbon by Elemental Analysis                                             | 69-74.1 (%)                                       | 71.13300 %                                        |
| Appearance (P107402)                                                     | White to Yellow to Beige to Brown Powder,Crystals | White to Yellow to Beige to Brown Powder,Crystals |
| Solubility in CHCL3 , colorless to yellow,clear pass to slightly hazy,5% |                                                   | Pass                                              |
| Infrared spectrum                                                        | Conforms to Structure                             | Conforms to Structure                             |



John Su  
QA & QC Manager