

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

|                          |                                 |
|--------------------------|---------------------------------|
| Date of Testing:         | 2024-09-19 14:13:30             |
| Date of Next Testing:    | 2028-09-18 14:13:30             |
| Product Name:            | <b>4,4'-Dihydroxyazobenzene</b> |
| CAS Number:              | 2050-16-0                       |
| Specifications & Purity: | >98.0%(HPLC)                    |
| Lot #:                   | I2411332                        |
| SKU #                    | <b>D154936</b>                  |
| Version                  | <b>0</b>                        |
| Analysis #:              | <b>359731</b>                   |

| Parameter           | Limit Values          | Result                |
|---------------------|-----------------------|-----------------------|
| Purity(HPLC)        | 98-100 (%)            | 99.56400 %            |
| Melting point       | 214-219 (°C)          | 218.95000 °C          |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager