

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-10 11:11:23

Date of Next Testing: 2024-08-09 11:11:23

Product Name: **4-(Phenylazo)phenol**

CAS Number: 1689-82-3

Specifications & Purity: $\geq 97\%$

Lot #: J2014032

SKU #: **P132170**

Version: **2**

Analysis #: **123337**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.60356 %
Nitrogen by Elemental Analysis	13.7-14.5 (%)	14.02000 %
Carbon by Elemental Analysis	70.9-74.5 (%)	72.05000 %
E(346+/- 3 NM)	≥ 22000	32000.63000
Melting point	153-157 (°C)	153.25000 °C
E(236+/- 3 NM)	≥ 10000	25049.10630
Appearance (p132170)	Yellow to Gold to Dark Yellow-Red Powder	Yellow to Gold to Dark Yellow-Red Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Clear,Dark yellow to orange-brown solution,0.1%	pass	Pass
UV-Vis spectrometry, $\lambda_{max}=242-243nm$ (in methanol)	pass	Pass



John Su
QA & QC Manager