

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-16 10:01:44

Date of Next Testing: 2029-07-15 10:01:44

Product Name: **Esculin hydrate**

CAS Number: 531-75-9

Specifications & Purity: $\geq 98\%$

Lot #: J2109262

SKU #: **E107333**

Version: **0**

Analysis #: **540642**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Neutralization titration)(calcd.on anh.substance)	97.5-102.5 (%)	97.50000 %
Specific Rotation $[\alpha]_{20/D}(c=2.4 \text{ in } 50\% \text{ Dioxane})(\text{calcd.on anh})$	-88--84 (°)	-84.00000 °
Water by Karl Fischer	0-10.5 (%)	10.40000 %
Purity(HPLC)	98-100 (%)	98.57000 %
UV/Vis Absorbance(EmM, 335-336nm in EtOH, anhydrous basis)	13-13.5	13.02000
Appearance (E107333)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot H2O	almost transparency	almost transparency



John Su
QA & QC Manager