

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-17 18:20:36

Date of Next Testing: 2030-04-16 18:20:36

Product Name: **Esculin hydrate**

CAS Number: 531-75-9

Specifications & Purity: $\geq 98\%$

Lot #: D2610074

SKU #: **E107333**

Version: **0**

Analysis #: **146346**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=2.4 \text{ in } 50\% \text{ Dioxane})(\text{calcd. on anh})$	-88--84 (°)	-84.74000 °
Water by Karl Fischer	0-10.5 (%)	9.02020 %
UV/Vis Absorbance(EmM, 335-336nm in EtOH, anhydrous basis)	13-13.5	13.25000
Purity(HPLC)	98-100 (%)	98.74000 %
Purity(Neutralization titration)(calcd. on anh. substance)	97.5-102.5 (%)	97.50000 %
Appearance (E107333)	White to Off-White Powder	White to Off-White Powder
Solubility in hot H ₂ O	almost transparency	almost transparency
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager