

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-10 13:13:02
 Date of Next Testing: 2029-04-09 13:13:02
 Product Name: **Esculin sesquihydrate**
 CAS Number: 66778-17-4
 Specifications & Purity: $\geq 98\%$
 Lot #: G2109061
 SKU #: **E103661**
 Version: **0**
 Analysis #: **493321**
 Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	6.5-8.5 (%)	7.84300 %
Specific Rotation $[\alpha]_{20/D}(c=2.4 \text{ in } 50\% \text{ Dioxane})(\text{calcd. on anh})$	-88--84 (°)	-87.58500 °
Purity(Neutralization titration)(calcd. on anh. substance)	97.5-102.5 (%)	101.16800 %
Purity(HPLC)	98-100 (%)	98.25700 %
Appearance (E103661)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot H ₂ O	almost transparency	almost transparency



John Su
 QA & QC Manager