

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Esculin hydrate**
Specifications & Purity: **98%**
SKU #: **E107333**

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