

Certificate of Analysis

Date of Testing: 2023-06-30 15:42:16
Date of Next Testing: 2027-06-29 15:42:16
Product Name: **Esculin sesquihydrate**
CAS Number: 66778-17-4
Specifications & Purity: 98%
Lot #: F2327845
SKU #: **E103661**
Analysis: **230405**
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Water by Karl Fischer	6.5-8.5 (%)	7.10 %
Purity(HPLC)	98-100 (%)	99.27500 %
Specific Rotation [a] ₂₀ /D(c=2.4 in 50% Dioxane)(calcd.on anh)	-88--84 (°)	-84.22 °
Purity(Neutralization titration)(calcd.on anh.substance)	97.5-102.5 (%)	99.69 %
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