

Certificate of Analysis

Date of Testing: 2024-01-17 16:10:43

Date of Next Testing: 2028-01-16 16:10:43

Product Name: **Ethylenediamine dihydrochloride**

CAS Number: 333-18-6

Specifications & Purity: Analytical Reagent,99%

Lot #: A2411467

SKU #: **E108437**Analysis: **309493**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Loss on drying	0-3 (%)	0.00 %
Purity(Titration by AgNO ₃)	98.5-101.5 (%)	99.74 %
Appearance (E108437)	White to Almost white powder to crystal	White to Almost white powder to crystal
Solubility,C=100mg/ml (10%),H ₂ O Colorless to Very Faint Yellow, Clear to Very Faint Turbidity	Pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure

John Su
QA & QC Manager