

Certificate of Analysis

Date of Testing: 2023-06-07 17:16:09
Date of Next Testing: 2025-05-27 17:16:09
Product Name: **Colchicine**
CAS Number: 64-86-8
Specifications & Purity: for plant cell culture, $\geq 98\%$ (HPLC)
Lot #: F2305975
SKU #: **C106740**
Analysis: **082472**
Storage Temperature: Protected from light, Desiccated

Parameter	Limit Values	Result
Carbon by Elemental Analysis	62.8-67.5 (%)	64.32 %
Purity(HPLC)	98-100 (%)	99.85300 %
Ethyl acetate by GC	0-5 (%)	4.50 %
Nitrogen by Elemental Analysis	3.2-3.8 (%)	3.26 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	-240--230 (°)	-239.56 °
Appearance (C106740)	White to Yellow Powder	White to Yellow Powder
Solubility in EtOH , Yellow to yellow-green, clear to hazy, 50mg/ml	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Plant cell culture test	pass	Pass



John Su
QA & QC Manager