

Certificate of Analysis

Date of Testing: 2023-06-05 09:39:23
Date of Next Testing: 2025-05-25 09:39:23
Product Name: **Manganese Chloride Tetrahydrate**
CAS Number: 13446-34-9
Specifications & Purity: grade for molecular biology , $\geq 99.0\%$ (KT)
Lot #: I2405060
SKU #: **M109464**
Version: **0**
Analysis #: **233623**
Storage Temperature: Desiccated

Parameter	Limit Values	Result
UV Absorbance 280nm	0-0.01	0.00
UV Absorbance 260nm	0-0.01	0.01
Purity(KT)	99-100 (%)	99.09%
PH at 25°C(5% in water)	4-6	5.10
Sulfate(SO ₄ ²⁻)	0-50 (ppm)	10.00 ppm
DNases	none detected	none detected
Insoluble matter	pass	Pass
phosphatases	none detected	none detected
proteases	none detected	none detected
RNases	none detected	none detected
Solubility in H ₂ O , Colorless and clear(0.5M,20°C)	pass	Pass
λ ,0.5 M in H ₂ O	Pass	Pass



John Su
QA & QC Manager