

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-12 09:23:22
 Date of Next Testing: 2026-05-11 09:23:22
 Product Name: **5-Methyluridine**
 CAS Number: 1463-10-1
 Specifications & Purity: $\geq 99\%$
 Lot #: E2210081
 SKU #: **M101429**
 Version: **1**
 Analysis #: **074622**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
A250/A260	0.6-0.68	0.67000
Heavy metal (as Pb)	0-10 (ppm)	9.83000 ppm
Loss on drying	0-0.5 (%)	0.45000 %
Ignition Residue (as sulfate)	0-0.3 (%)	0.02800 %
A280/A260	0.67-0.75	0.68500
Purity(HPLC)	98-100 (%)	99.95900 %
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in W/V in } 0.2N \text{ NaOH})}$	-18.4--18.2 (°)	-18.20600 °
Melting point	182-190 (°C)	188.79000 °C
Appearance (M101429)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager