

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-06 16:27:32

Date of Next Testing: 2027-05-05 16:27:32

Product Name: **A23187, Mixed Ca/ Mg salt**

CAS Number: 52665-69-7(free acid)

Specifications & Purity: $\geq 98\%$ (HPLC)

Lot #: I1509066

SKU #: **C139833**

Version: **0**

Analysis #: **218583**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Hydrogen by Elemental Analysis	6.6-6.7 (%)	6.70000 %
Purity(HPLC)	98-100 (%)	99.20000 %
Purity(TLC,EtOAc: Petroleum ether 8: 2)	98-100 (%)	99.20000 %
Melting point	$\geq 309(^{\circ}\text{C})$	309.10000 $^{\circ}\text{C}$
Nitrogen by Elemental Analysis	7.4-7.8 (%)	7.79000 %
Carbon by Elemental Analysis	63.3-64.7 (%)	64.60000 %
Appearance (C139833)	White to off-white crystalline solid	White to off-white crystalline solid
Lambda max , 229, 262, 304, 370nm	pass	Pass
Solubility in CH ₂ CL ₂ , Colorless ,Clear ,10mg/ml	pass	Pass



John Su
QA & QC Manager