

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

### Certificate of Analysis

Date of Testing: 2025-09-15 17:50:47  
Date of Next Testing: 2029-09-14 17:50:47  
Product Name: **Calcium hydride**  
CAS Number: 7789-78-8  
Specifications & Purity:  $\geq 98.5\%$  metals basis, excluding Mg, Mg < 1%  
Lot #: I2511268  
SKU #: **C108376**  
Version: **0**  
Analysis #: **566036**  
Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Trace Metal Analysis	0-15000 (ppm)	1298.00000 ppm
Mg by ICP Atomic emission	0-1 (%)	0.11000 %
Purity(Based On Trace Metals Analysis)	98.5-100 (%)	99.87020 %
Purity(total Ca)	98.5-101.5 (%)	98.51000 %
Appearance (C108376)	white to grey powder or crystals	white to grey powder or crystals
ICP Major Analysis Confirmed	Confirmed to structure	Confirmed to structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager