

Certificate of Analysis

Date of Testing: 2025-03-07 16:09:39

Date of Next Testing: 2029-03-06 16:09:39

Product Name: **Calcium hydride**

CAS Number: 7789-78-8

Specifications & Purity: $\geq 98.5\%$ metals basis, excluding Mg, Mg < 1%

Lot #: C2505151

SKU #: **C108376**

Version: **0**

Analysis #: **474688**

Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Trace Metal Analysis	0-15000 (ppm)	275.00 ppm
Mg by ICP Atomic emission	0-1 (%)	0.00 %
Purity(Based On Trace Metals Analysis)	98.5-100 (%)	99.97 %
Purity(total Ca)	98.5-101.5 (%)	98.52 %
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

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager