

## Certificate of Analysis

Date of Testing: 2023-03-20 16:43:21  
Date of Next Testing: 2027-03-19 16:43:21  
Product Name: **Calcium hydride**  
CAS Number: 7789-78-8  
Specifications & Purity: 98.5% Metals Basis Excluding Mg, Mg < 1%  
Lot #: C2311838  
SKU #: **C108376**  
**Analysis:** **173547**  
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Trace Metal Analysis	0-15000 (ppm)	486.00 ppm
Mg by ICP Atomic emission	0-1 (%)	0.01 %
Purity(Based On Trace Metals Analysis)	98-100 (%)	99.95 %
Purity(total Ca)	98.5-101.5 (%)	101.32 %
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