

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-05-11 15:09:29

Date of Next Testing: 2030-05-10 15:09:29

Product Name: **Calcium hydride**

CAS Number: 7789-78-8

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

Lot #: E2606193

SKU #: **C108376**

Version: **0**

Analysis #: **695594**

Storage Temperature: Room temperature, Argon charged, Desiccated

| Parameter                              | Limit Values                     | Result                           |
|----------------------------------------|----------------------------------|----------------------------------|
| Trace Metal Analysis                   | 0-15000 (ppm)                    | 557.00000 ppm                    |
| Mg by ICP Atomic emission              | 0-1 (%)                          | 0.00110 %                        |
| Purity(total Ca)                       | 98.5-101.5 (%)                   | 99.16000 %                       |
| Purity(Based On Trace Metals Analysis) | 98.5-100 (%)                     | 99.94430 %                       |
| 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