

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-19 14:26:55

Date of Next Testing: 2028-09-18 14:26:55

Product Name: **Caesium hydroxide**

CAS Number: 35103-79-8

Specifications & Purity:  $\geq 99.9\%$  metals basis

Lot #: I2406451

SKU # **C105357**

Version **0**

Analysis #: **413228**

Storage Temperature: Room temperature

| Parameter                                              | Limit Values                                     | Result                                           |
|--------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Cs <sub>2</sub> CO <sub>3</sub>                        | 0-5 (%)                                          | 1.23000 %                                        |
| Purity(Titration by HCl)                               | 96.5-100 (%)                                     | 97.62000 %                                       |
| Purity(Based On Trace Metals Analysis)                 | 99.9-100 (%)                                     | 99.99220 %                                       |
| Water by Karl Fischer                                  | 5-15 (%)                                         | 10.01300 %                                       |
| Total Metallic Impuritie                               | 0-1000 (ppm)                                     | 78.00000 ppm                                     |
| Appearance (C105357)                                   | White to off-white powder, needles and/or Chunks | White to off-white powder, needles and/or Chunks |
| ICP: Confirms Cerium Component                         | Confirmed                                        | Confirmed                                        |
| Solubility,Colorless and clear(5% in H <sub>2</sub> O) | pass                                             | Pass                                             |
| X-Ray Diffraction                                      | Conforms to Structure                            | Conforms to Structure                            |



John Su  
QA & QC Manager