

# Chem-Impex International, Inc.

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825 Dillon Drive

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## *Certificate of Analysis*

|                          |                                              |
|--------------------------|----------------------------------------------|
| <b>Catalogue Number</b>  | 47155                                        |
| <b>Lot Number</b>        | 003344-1957-111811                           |
| <b>Product</b>           | <b>Calcium carbonate nanopowder, surface</b> |
| <b>CAS Number</b>        | 471-34-1                                     |
| <b>Molecular Formula</b> | CaCO <sub>3</sub>                            |
| <b>Molecular Weight</b>  | 100.09                                       |

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|                               |                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------|
| <b>Appearance</b>             | White nanopowder                                                                         |
| <b>Mesh Size</b>              | APS 15 - 40 nm, SSA 40 m <sup>2</sup> /g                                                 |
| <b>Insoluble material</b>     | 0.11% (in Hydrochloric acid)                                                             |
| <b>Related Substances</b>     | MgO : 0.44%<br>Iron (Fe) : 0.08%                                                         |
| <b>Assay</b>                  | > 97.5% (CaCO <sub>3</sub> )                                                             |
| <b>Purity</b>                 | 98.5% (Trace metals basis)                                                               |
| <b>Storage</b>                | Store at RT                                                                              |
| <b>Additional Information</b> | Morphology : Cubic<br>Whiteness : 93                                                     |
| <b>Remarks</b>                | See material safety data sheet for additional information<br><br>For laboratory use only |

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**