



## Certificate of Analysis.

### Calcium Carbonate, LR, >98%

Product code:	<b>BS13870.</b>
Description:	<b>Calcium Carbonate, LR, &gt;98%</b>
Chemical Name:	<b>Calcium carbonate.</b>
Pack:	<b>500 gm.</b>
CAS No.:	<b>471-34-1.</b>
Mol. Formula:	<b>CaCO<sub>3</sub>.</b>
Mol. Weight:	<b>100.09 g/mol.</b>
MDL Number:	<b>MFCD00010906.</b>
Melting point:	<b>825 °C.</b>
Boiling point:	<b>800 °C.</b>
Density:	<b>2.8 g/cm<sup>3</sup>.</b>
Solubility:	<b>Soluble in dilute hydrochloric acid.</b>
Appearance:	<b>White powder.</b>
Storage:	<b>Store at Ambient temperature.</b>
LOT NO.:	<b>Sample.</b>
Manufacture Date:	<b>Lot specific.</b>
Expiry Date:	<b>5 years.</b>

Characteristics	Specification	Result
Chloride:	<b>&lt;330 ppm.</b>	<b>Lot specific.</b>
Fluoride:	<b>&lt;50 ppm.</b>	<b>Lot specific.</b>
Sulphate:	<b>&lt;0.25 %.</b>	<b>Lot specific.</b>
Arsenic:	<b>&lt;3.0 ppm.</b>	<b>Lot specific.</b>
Barium:	<b>Complies.</b>	<b>Lot specific.</b>
Heavy metals (as Pb):	<b>&lt;20 ppm.</b>	<b>Lot specific.</b>
Iron:	<b>&lt;200 ppm.</b>	<b>Lot specific.</b>
Lead:	<b>&lt;1.0 ppm.</b>	<b>Lot specific.</b>
Cadmium:	<b>&lt;1.0 ppm.</b>	<b>Lot specific.</b>
Mercury:	<b>&lt;0.5 ppm.</b>	<b>Lot specific.</b>
Identification:	<b>Complies.</b>	<b>Lot specific.</b>
Magnesium and Alkali metals:	<b>&lt;1.0 %.</b>	<b>Lot specific.</b>
Loss on drying (200 degree):	<b>&lt;2.0 %.</b>	<b>Lot specific.</b>
Substances insoluble in acetic acid:	<b>&lt;0.2 %.</b>	<b>Lot specific.</b>
Acid insoluble substances in HCL:	<b>&lt;0.2 %.</b>	<b>Lot specific.</b>



Assay as CaCO <sub>3</sub> :	>98%.	<b>Lot specific.</b>
Assay as Ca:	39.2 % - 40.2%.	<b>Lot specific.</b>
Organic Volatile impurities:	Meets the requirement.	<b>Lot specific.</b>

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.

# CaCO<sub>3</sub>



**Dr. K. Deepti.**  
**Technical Head.**

