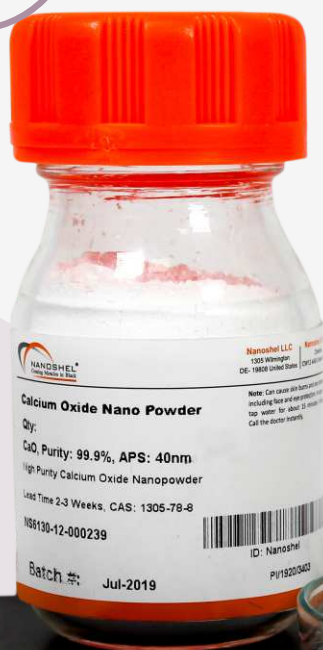


CALCIUM OXIDE NANOPOWDER



Purity
99.9%

CaO



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NS6130-12-000239

CALCIUM OXIDE NANPOWDER

Calcium oxide is a chemical compound and its chemical formula is CaO. It is also called a quick lime or burnt lime. It is also utilized for balancing out the acidic soil. This compound is employed in electronics such as LEDs. It is used in those areas where rainfall washes the calcium from the soil. It is feasible in drug delivery systems and used as dehydrating agent during the manufacturing of steel, an absorbent, and in fertilizers. It has the potential application for wastewater as hydrogen regulator. Mainly the applications and properties of the nanoparticles are influenced by the size and morphology of the nanoparticles. It also shows dielectric properties and also exhibit electric properties with doping. It has various applications in distinct fields, for instance, catalysis, sensors, optoelectronic and environmental remediation. It has so many industrial applications. It is inexpensive and it is available in nature

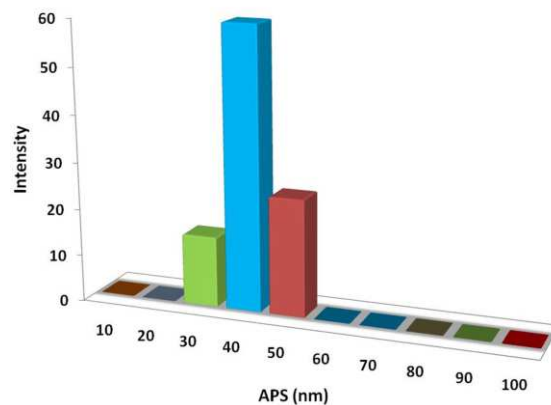
QuickFACTS

Product	:	Calcium Oxide Nanopowder
Stock No	:	NS6130-12-000239
CAS	:	1305-78-8
Color	:	White
Form	:	Powder
Symbol	:	CaO
Group	:	Calcium 2/Oxygen 16

Electronic Configuration:

Calcium [Ar] 4s²

Oxygen [He] 2s² 2p⁴



ADDITIONAL POWDER CHARACTERISTICS

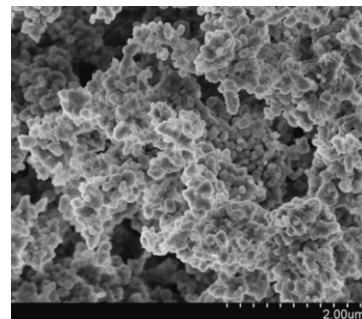
Stock No.	Purity	APS
NS6130-12-000239	99.9%	40nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
CaO	56.07 g/mol	3.3 g/cm ³	2850 °C

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	CaO	Other Metal
Calcium Oxide Nanopowder	99.9%	1000ppm



APPLICATIONS

- > Bio fuel applications
- > Flame retardants
- > Used in the cleanup of toxic contamination from chemical warfare.
- > Used in Catalysis
- > Used as an antibacterial agent
- > Optoelectronics
- > Sensors



ISO 9001:2015
CERTIFIED COMPANY

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED
Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 1782 454 144, +44 74 105 48802

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911