

Samarium

NANOPARTICLES

Sm

Purity
>99.5%

Stock no.
NS6130-01-186

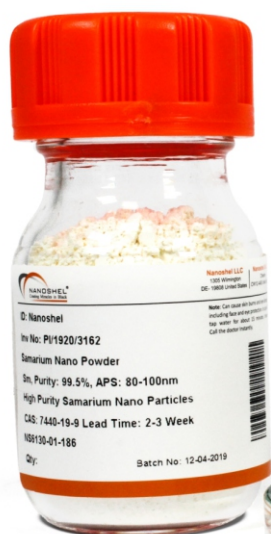
CAS : **7440-19-9**

Samarium is a chemical element with the symbol Sm and atomic number 62. Samarium Powder/nanopowder is of huge importance due to its unique properties and application.

- It is mainly used in preparing samarium-cobalt alloy magnets for electric guitars, small motors and headphones
- It is used as an absorber in nuclear reactors
- Its oxide is used for manufacturing special infrared adsorbing glass for carbon arc-lamp electrodes
- It is useful in doping calcium fluoride crystals employed in optical lasers.

Technical Specification

Molecular Weight	Density	Melting Point	APS
150.36g/mol	7.353g/cm ³	1072°C	80-100nm



APS: 80-100nm



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