

# Holmium

## Oxide Powder



NS6130-12-000430

APS  
20-30 $\mu$ m



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# Holmium Oxide Powder

Holmium (III) oxide, or holmium oxide is a chemical compound of a rare-earth element holmium and oxygen with the formula  $\text{Ho}_2\text{O}_3$ . Together with dysprosium (III) oxide ( $\text{Dy}_2\text{O}_3$ ) holmium oxide is one of the most powerfully paramagnetic substances known. The oxide, also called holmia, occurs as a component of the related erbium oxide mineral called erbia. Holmium oxide is used in making specialty colored glasses. Glass containing holmium oxide and holmium oxide solutions have a series of sharp optical absorption peaks in the visible spectral range. They are therefore traditionally used as a convenient calibration standard for optical spectrophotometers.

## Quick Facts

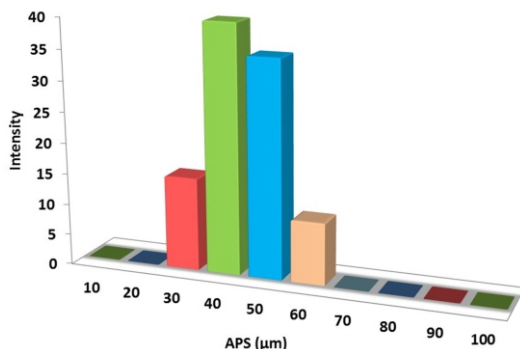
Product	:	Holmium Oxide Powder
Stock No	:	NS6130-12-000430
CAS	:	12055-62-8
Purity	:	>99.99%
Color	:	Pale yellow
Form	:	Powder

## Technical Specification

Formula	APS	Molecular Weight	Melting Point
$\text{Ho}_2\text{O}_3$	20-30 $\mu\text{m}$	377.86g/mol	2415 °C

## Chemical Composition

Product	Weight Percent (nominal)	
	$\text{Ho}_2\text{O}_3$	Other Metal
Holmium Oxide Powder	>99.99%	



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