

Certificate of Analysis

Product Name:

Praseodymium powder, *PurReagent*, -40 mesh, ≥99.5%

Product No.: PSR50724
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7440-10-0
Molecular Formula: Pr
Molecular Weight: 140.91 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Gray Powder	Gray Powder
Assay	≥ 99.5 %	99.95 %
Size (- 40 Mesh)	Conforms	Conforms
Praseodymium Component (By ICP)	Conforms	Conforms
Total Rare Earth Oxide Impurities	NMT 5500.0 ppm	4250.3 ppm
Barium (Ba)	-	0.8 ppm
Bismuth (Bi)	-	11.9 ppm
Boron (B)	-	2.9 ppm
Cerium (Ce)	-	250.1 ppm
Dysprosium (Dy)	-	44.6 ppm
Iron (Fe)	-	135.8 ppm
Lanthanum (La)	-	113.2 ppm
Lithium (Li)	-	62.7 ppm
Magnesium (Mg)	-	66.8 ppm
Molybdenum (Mo)	-	5.3 ppm
Neodymium (Nd)	-	3245.4 ppm
Potassium (K)	-	26.6 ppm
Samarium (Sm)	-	160 .2 ppm
Silver (Ag)	-	2.3 ppm
Terbium (Tb)	-	35.8 ppm
Tungsten (W)	-	67.3 ppm
Zirconium (Zr)	-	15.9 ppm

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at technical@pure-synth.com

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a room temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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