

Certificate of Analysis

Date of Testing: 2022-07-22 13:22:43
Date of Next Testing: 2026-07-21 13:22:43
Product Name: **Calcium phosphate**
CAS Number: 7758-87-4
Specifications & Purity: 98%, β -phase basis
Lot #: 11819056
SKU #: **C104263**
Analysis: **116569**

Parameter	Limit Values	Result
Cadmium(Cd)	0-1 (ppm)	0.30 ppm
Chromium(Cr)	0-5 (ppm)	2.10 ppm
Chloride (Cl-)	0-100 (ppm)	45.30 ppm
Zinc(Zn)	0-10 (ppm)	5.20 ppm
(Pb)Lead	0-5 (ppm)	3.10 ppm
Hydroxylapatite, α -TCP and Pyrophosphate	0-2 (%)	1.10 %
β -phase basis(X-Ray Diffraction)	98-100 (%)	98.16 %
Barium(Ba)	0-10 (ppm)	6.20 ppm
Mercury(Hg)	0-0.5 (ppm)	0.30 ppm
(As)Arsenic	0-0.5 (ppm)	0.20 ppm
Total sulfur as SO ₄ (ICP)	0-250 (ppm)	133.00 ppm
Nickel(Ni)	0-1 (ppm)	0.50 ppm
Copper(Cu)	0-1 (ppm)	0.44 ppm
Heavy metal (as Pb)	0-50 (ppm)	14.70 ppm
Cobalt(Co)	0-1 (ppm)	0.31 ppm
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager