

CERAMAT

Technical Data Sheet

Product Name: Natural Microcrystalline Hydroxyapatite

Mol. Formula: $[\text{Ca}_5(\text{PO}_4)_3\text{OH}]$

Mol. Weight: 502.4 gm/mol

CAS No.: 12167-74-7

Sl. No.	Tests	Tests methods	Results
1.	Phase Analysis	XRD	Conforms with ICDD file no. 09-0432
2.	Appearance	Visual	Yellowish Powder
3.	Particle size	Sieve Analysis	<200 microns
4.	Crystallite Size	XRD (Debye Scherrer)	20 to 60 nm
5.	Bulk Density	Manually (Mass/Volume)	0.4 to 1 gm/cc
6.	Ca/P ratio	ICP-MS/AES/OES	1.53
7.	Iron Content	ICP-MS/AES/OES	0.22%
8.	Calcium Content	ICP-MS/AES/OES	38.08%
9.	Phosphorus Content	ICP-MS/AES/OES	19.34%

Shelf Life: 5 years under sealed and packed condition at room temperature and atmospheric pressure.

Ceramat Private Limited (CIN: U26990MH2021PTC370837, GSTN: 27AAJCC8882E1Z9)
Postal Address: Unit No.- 105, Krisha Industrial Estate, Dhumalnagar, Near Waliv, Vasai East, 401208, India
Office Address: Unit No. 14, Sethia Industrial Park, S.No. 39/1, Bilalpada, Vasai East-401208, Maharashtra, India.
Tel: +91 86000 33153; Web site: www.tsleramat.com ;Email- info@tsl-ceramat.com