

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. 09-432
1.	Appearance	-	Yellowish Powder
2.	Particle size	Sieve Analysis	<200 microns
3.	Crystallite Size	XRD	50 to 60 nm (Calculated from XRD peak)
4.	Bulk Density	-	0.6 to 0.9 gm/cc
5.	Ca/P ratio	ICP-MS/AES/OES	1.53
6.	Iron Content	ICP-MS/AES/OES	0.22%
7.	Calcium Content	ICP-MS/AES/OES	38.08%
8.	Phosphorus Content	ICP-MS/AES/OES	19.34%

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

Quality Control In-charge

Sujoy Mandal

Cerammat 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.tslceramat.com](http://www.tslceramat.com) Email- [info@tsl-cerammat.com](mailto:info@tsl-cerammat.com)