



Partial Certificate of Analysis (Web Display) - α -Tricalcium Phosphate (α -TCP)

Version: RevA | Issued: 2025-10

1. Product Information

Item	Description
Product Name	α -Tricalcium Phosphate (α -TCP)
Version	RevA (Issued 2025-10)
Product Code	ALPHA-TCP-STD
Manufacturer	Hongkong Kannry Industrial Co., Ltd.
Quality System	ISO 13485 Certified
Reference	Full standards & conditions provided in the Full COA.
Packaging	1 kg / sealed HDPE bottle

2. Physical & Chemical Characteristics

Parameter	Typical Value	Unit	Method
Appearance	White fine powder	—	Visual
Purity	$\geq 99.9\%$	—	ICP-OES
Particle Size (D50)	2-5	μm	Laser Diffraction
Specific Surface Area (BET)	35-60	m^2/g	BET
Ca/P Ratio	1.50 ± 0.02	—	ICP-OES
Phase Composition	α -TCP single phase	—	XRD
Bulk Density	1.20	g/cm^3	Archimedes
Total Volatile Content (TGA)	≤ 0.3	%	TGA
Heavy Metals (Pb, Cd, As, Hg)	< 5	ppm	ICP-MS
Microbial Count	< 10	CFU/g	Microbial Count

3. Compliance Statement

Testing was performed per validated internal SOPs. Exact referenced standards (GB/T, ISO, ASTM), acceptance criteria, and test conditions are provided in the Full COA. Data shown are typical values from qualified production lots and anonymized customization cases. Not for regulatory submission.

4. Additional Notes

Full analytical package (XRD, FTIR, SEM/EDS, PSD/BET, ICP, microbiology) is available upon request.

5. Request for Full Report

For the Full COA or custom specifications, please contact info@kannrybio.com or visit www.kannrybio.com.

For Web Display Only - Hongkong Kannry