



Partial Certificate of Analysis (Web Display) - 45S5 Bioactive Glass (micro)

Version: RevA | Issued: 2025-10

1. Product Information

Item	Description
Product Name	45S5 Bioactive Glass (micro)
Version	RevA (Issued 2025-10)
Product Code	BG45S5-MICRO
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
Composition (wt%)	SiO ₂ 45, Na ₂ O 24.5, CaO 24.5, P ₂ O ₅ 6	—	Design
Particle Size (D50)	1–5	µm	Laser Diffraction
Specific Surface Area (BET)	50–80	m ² /g	BET
Density	2.6	g/cm ³	Pycnometry
pH in SBF (24 h)	7.2–7.8	—	SBF Test
HCA Layer Formation (24 h)	Rapid	—	SBF Test
Total Volatile Content	≤ 0.2	%	TGA

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