Supplementary information

Mechanical properties of α-tricalcium phosphate-based bone cements incorporating regenerative biomaterials for filling bone defects exposed to low mechanical loads.

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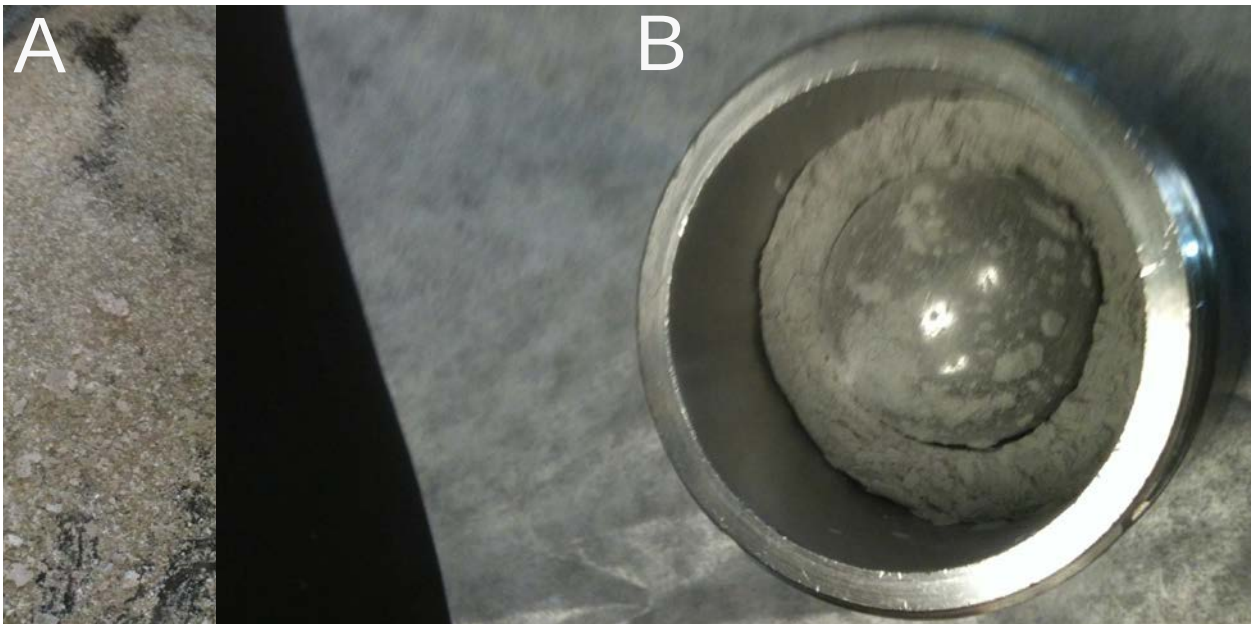

Figure S1. α-TCP powder. A) Photograph of the solid isolated from the furnace. Image width = 5 cm. B) Photograph of the powder obtained after using the Mixer Mill MM 300 for 30 minutes. Image width = 5 cm.

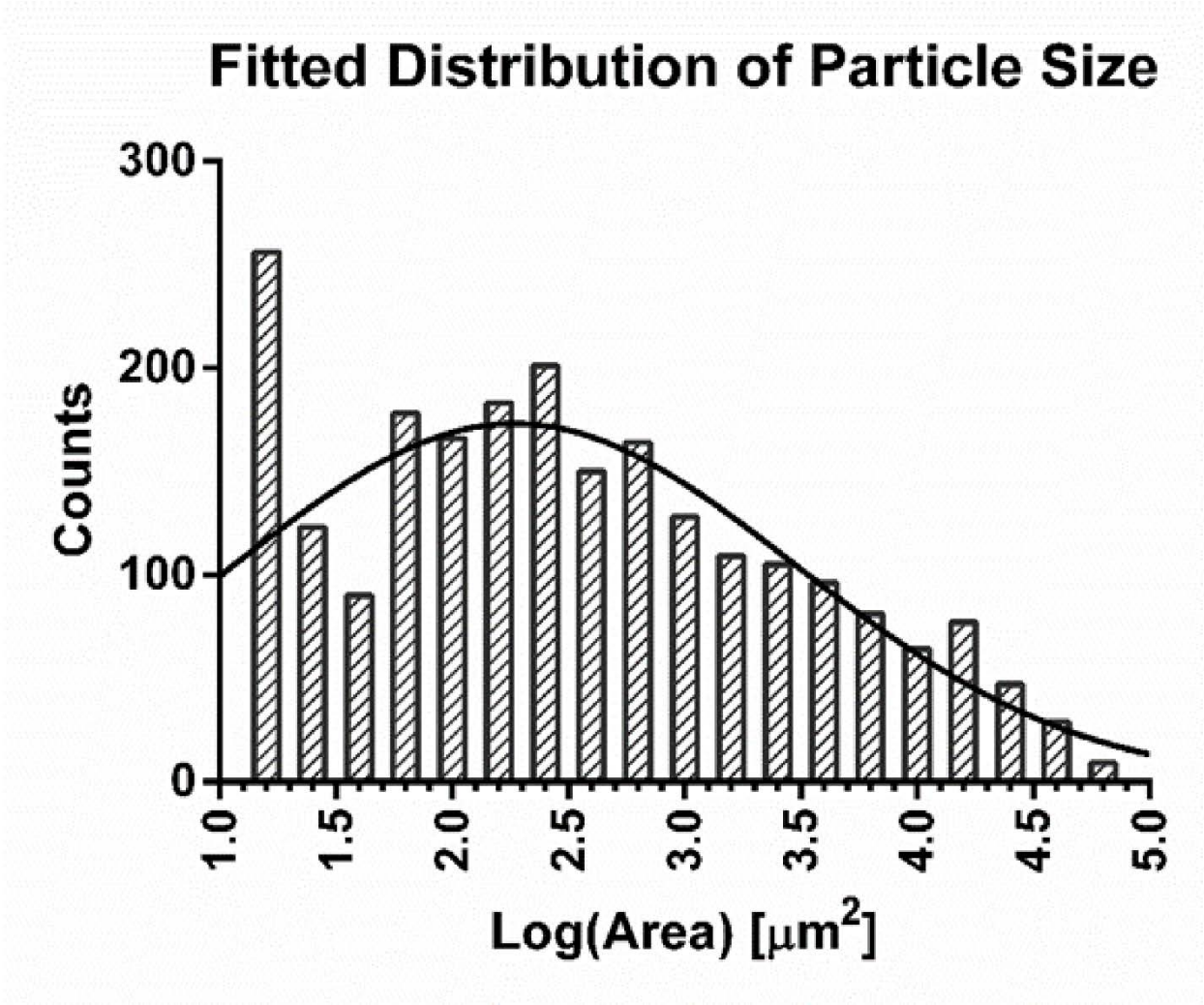

Figure S2. α-TCP powder particle surface area distribution.

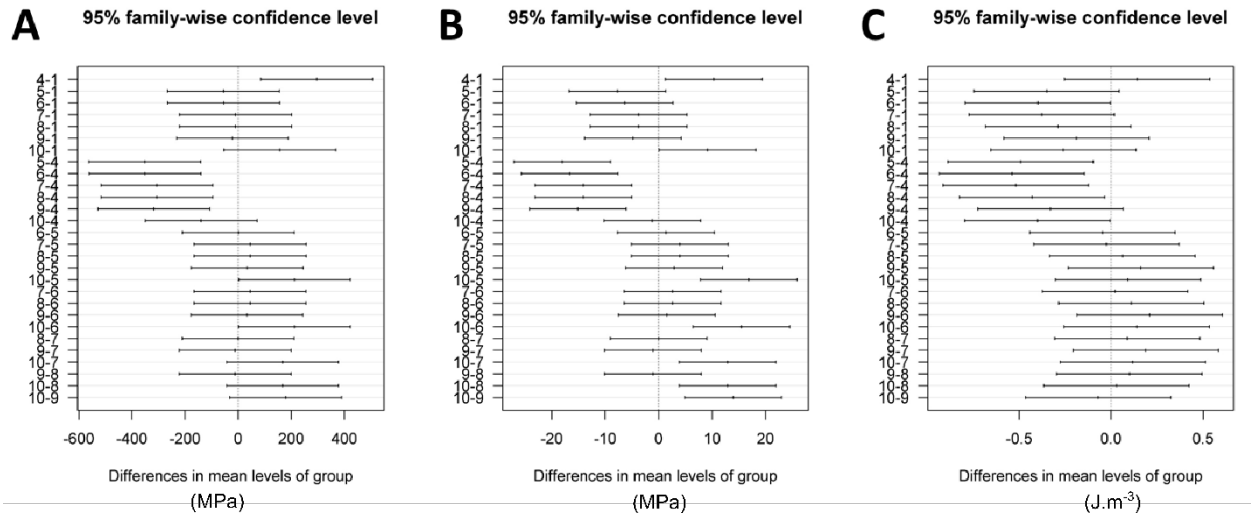

Figure S3. Visual representation of the results of Tukey multiple comparison analysis of the mechanical properties of the CPC formulations described here. A) Compressive modulus. B) Strength. C) Modulus of resilience.

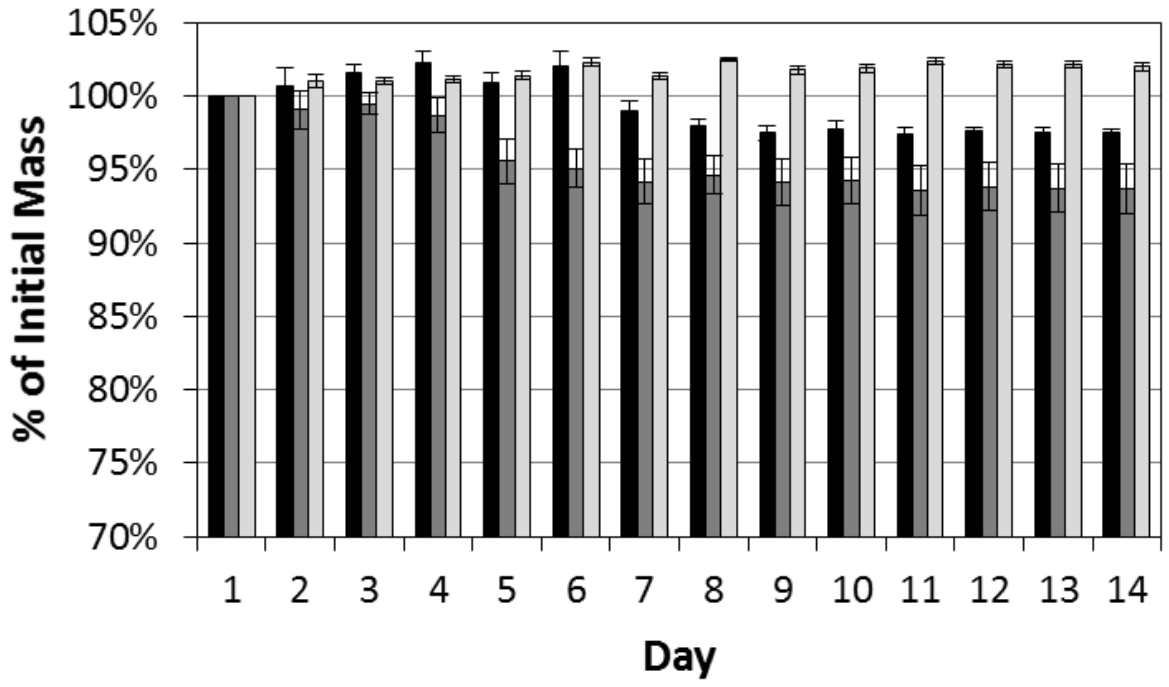

Figure S4. In Vitro Degradation Study. Black bars represent formulation 1. Dark grey bars represent formulation 5 with PGA sutures. Light grey bars represent formulation 8 with Monofyl® sutures.