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## GL0804 DATA SHEET

### Appearance

S53P4 bioactive glass with white color in powder form.

### Chemical Composition (by weight%)

Silica (SiO <sub>2</sub> ) .....	50-56%
Calcium oxide (CaO).....	18-22%
Phosphorous Pentoxide (P <sub>2</sub> O <sub>5</sub> ) .....	3-5%
Sodium Oxide (Na <sub>2</sub> O) .....	21-25%

### Heavy Metals (by ICP) (ASTM F1538 Spec)

As .....	< 3 ppm
Cd.....	< 5 ppm
Hg.....	< 5ppm
Pb.....	< 30 ppm
Total (as lead)...	<50 ppm

### Physical Properties

Specific Gravity.....	2.4 (g/cm <sup>3</sup> )
Softening Temperature .....	590°C
Melting Temperature.....	1300°C
Cystallization Temperature.....	795°C
Coefficient of Thermal Expansion...	1.30 x 10 <sup>-6</sup> /°C (30-300° C)

Applications: Typical applications of GL0804 include: bone grafting biomaterials, repair of periodontal defects, cranial and maxillofacial repair, wound care, blood loss control, stimulation of vascular regeneration, nerve repair.