

Shreenath Marketing is leading manufacturer in sodium silicate base products, shreenath produce sodium silicate glass in high efficient furnaces with his own technology to serve qualitative products in many different Industries.

Alkaline Sodium Silicate Glass Lumps physical and chemical properties,

Ratio of Alkaline sodium silicate glass is Na₂O: SiO₂ = 1:2.2 (+/- 2 %)

ALKALINE SODIUM SILICATE GALSS SPECIFICATION	
Description	Specification Alkaline Glass
Na ₂ O (%)	30.80 to 31.50
SiO ₂ (%)	68.30 to 68.70
Total Solid (%)	98.90 to 99.90
Weight Ratio (Na ₂ O: siO ₂)	1:2.2 to 1:2.4
Molecular Ratio	2.30 to 2.40
Molecular weight	184-254
Iron Content (PPM)	50 PPM maximum
Alumina Content (PPM)	0.0001 maximum
Appearance	Solid lumps
Colour/ visibility	Light blue transparent
Size of Glass	Small lumps
Insoluble present in Glass (%)	0.12
P.H	11-13
Boiling Point (C°)	101.5 - 102
Water soluble (%)	100
Molecular formula	(Na ₂ O) _x · (SiO ₂) _y

REACTION: Na₂CO₃ + SiO₂ -----(1250° to 1300° (C°) temp.)-----> Na₂SiO₃ + CO₂