Sodium Silicate, Alkaline

NaO·nSiO | Water glass, SiO:NaO weight ratio about 2.0–2.5, liquid and solid glass

TYPICAL SPECIFICATION

Characteristic	Units	Typical value	Test method
Weight ratio SiO:NaO	-	**2.0–2.5, by grade**	Calculated from titrations
NaO (liquid)	-	**About 12–15%**	Acid titration
SiO (liquid)	-	**About 29–33%**	Gravimetric / titration
Total solids (liquid)	-	**About 44–48%**	Calculated
Density at 20 °C (liquid)	-	**About 1.48–1.56 g/cm³ (47–52 °Bé)**	Hydrometer
Water-insoluble matter	-	**0.2–0.4% max**	Gravimetric
Iron (Fe)	-	**0.02–0.05% max**	ICP / colorimetric
Solid glass	-	**Ratio about 2.0–2.5; NaO about 28–33%**	Titration
Appearance	-	**Clear to slightly hazy, viscous liquid; colourless to pale green glass lumps**	Visual

NOTICE

Values are typical and published for reference; they are not a certificate of analysis. Agree the specification of the offered batch, the packing and any destination requirements before ordering.