

Certificate of Analysis

Compound Information

Product Name:	Potassium silicate
Cat. No.:	1215293
CAS No.:	1312-76-1
Molecular Formula:	K_2O_3Si
Molecular Weight:	154.28
Chemical Structure:	



Batch Information

Batch No.:	Lg1107331600
Storage:	Store at room temperature, keep dry and cool
Test Date:	2023-11-07
Retest Date:	2026-11-06
Origin:	Shanghai, China

QC Summary

	Specification	Result
Appearance:	White to off-white (Solid)	White (Powder)
Modulus,mm:	3.20-3.40	3.26
Silica(SiO_2), $\omega/\%$:	57.0-63.0	58.99
Potassium Oxide (K_2O), $\omega/\%$:	26.0-30.0	28.4
Dissolution Rate,S/30°C:	<120	91
Apparent Density,g/mL:	0.50-0.80	0.76
Fineness (through 100 mesh screening), $\omega/\%$:	<5	3.98
Purity,%:	AR,99.0	AR,99.0
Conclusion:	The product has been tested and complies with the given specifications.	

Caution: Research use only and are not intended for human use.

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