

## **Portland cement - Constituents**

Art. ID	NIST-1880b
Unit	5 vials x 5 g
Deliverydetails	No Dangerous Good /not restricted

### Description

This Standard Reference Material (SRM) is intended primarily for the calibration or evaluation of methods for analysis of cements and materials of similar matrix. A unit of NIST-1880b consists of five sealed vials, each containing approximately 5 g of portland cement ground to pass through a 75 µm (No. 200) sieve. Reference values for LOI (Loss on Ignition), ZnO, sulfide sulfur, insoluble residue, CaO (free), SrO, and fluoride. Certified values /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	SiO <sub>2</sub>		20,42± 0,36	%		
	Al <sub>2</sub> O <sub>3</sub>		5,183± 0,073	%		
	Fe <sub>2</sub> O <sub>3</sub>		3,681± 0,023	%		
	CaO		64,16± 0,4	%		
	MgO	[1309-48-4]	1,176± 0,02	%		
	SO <sub>3</sub>		2,71± 0,099	%		
	Na <sub>2</sub> O		0,0914± 0,0052	%		
	K <sub>2</sub> O		0,646± 0,014	%		
	TiO <sub>2</sub>		0,236± 0,012	%		
	P <sub>2</sub> O <sub>5</sub>		0,2443± 0,0027	%		
	Mn <sub>2</sub> O <sub>3</sub>		0,1981± 0,002	%		
	Chlorine (Cl)	[7782-50-5]	0,0183± 0,00057	%		
	Cr <sub>2</sub> O <sub>3</sub>		0,01927± 0,0002	%		