

## **Portland cement - Constituents**

Art. ID	NIST-1887b
Unit	5 vials x 4 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-1887b consists of five sealed vials, each containing approximately 4 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
	Al <sub>2</sub> O <sub>3</sub>		4,911	%		
	CaO		61,15	%		
	Chlorine (Cl)	[7782-50-5]	0,01	%		
	Cr <sub>2</sub> O <sub>3</sub>		0,015	%		
	Fe <sub>2</sub> O <sub>3</sub>		2,471	%		
	K <sub>2</sub> O		0,961	%		
	MgO	[1309-48-4]	3,624	%		
	Mn <sub>2</sub> O <sub>3</sub>		0,095	%		
	Na <sub>2</sub> O		0,288	%		
	P <sub>2</sub> O <sub>5</sub>		0,154	%		
	SiO <sub>2</sub>		19,59	%		
	SO <sub>3</sub>		4,599	%		
	SrO		0,262	%		
	TiO <sub>2</sub>		0,203	%		
	ZnO		0,015	%		