

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 ₂ O ₃		4,911	%		
	CaO		61,15	%		
	Chlorine (Cl)	[7782-50-5]	0,01	%		
	Cr ₂ O ₃		0,015	%		
	Fe ₂ O ₃		2,471	%		
	K ₂ O		0,961	%		
	MgO	[1309-48-4]	3,624	%		
	Mn ₂ O ₃		0,095	%		
	Na ₂ O		0,288	%		
	P ₂ O ₅		0,154	%		
	SiO ₂		19,59	%		
	SO ₃		4,599	%		
	SrO		0,262	%		
	TiO ₂		0,203	%		
	ZnO		0,015	%		