

## **Portland cement - Constituents**

Art. ID	NIST-634a
Unit	100 g
Deliverydetails	No Dangerous Good /not restricted

### Description

Indicative values for Na<sub>2</sub>O, Cr<sub>2</sub>O<sub>3</sub>, ZnO, Mn<sub>2</sub>O<sub>3</sub>, SrO. 28 April 2015 (Revised reference value for LOI Total at 950 °C added reference values for LOI at additional temperatures /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified value	SiO <sub>2</sub>		20,493	%		
Certified value	Al <sub>2</sub> O <sub>3</sub>		5,015	%		
Certified value	Fe <sub>2</sub> O <sub>3</sub>		3,362	%		
Certified value	CaO		65,07	%		
Certified value	MgO	[1309-48-4]	1,0057	%		
Certified value	SO <sub>3</sub>		2,78	%		
Certified value	K <sub>2</sub> O		0,3572	%		
Certified value	TiO <sub>2</sub>		0,2463	%		
Certified value	P <sub>2</sub> O <sub>5</sub>		0,1767	%		
Reference value	Na <sub>2</sub> O		0,0842	%		
Reference value	Cr <sub>2</sub> O <sub>3</sub>		0,0114	%		
Reference value	ZnO		0,0222	%		
Reference value	Mn <sub>2</sub> O <sub>3</sub>		0,0229	%		
Reference value	SrO		0,0735	%		
Reference value	Loss on Ignition (L.O.I ) between 45 °C and 22 0 °C		0,58	%		
Reference value	Loss on Ignition (L.O.I ) between 220 °C and 5 50 °C		0,749	%		
Reference value	Loss on Ignition (L.O.I ) between 550 °C and 9 50 °C		0,34	%		
Reference value	Loss on Ignition (L.O.I ) total at 950 °C		1,683	%		