

## Chemical Report

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Composition of Ribblesdale PC, EN 197-1:2011, CEM I 52,5N

Dispatched from Ribblesdale

Chemical analysis for week ending 29-May-22

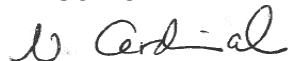
Week No. 2022-21

Compound	%
SiO <sub>2</sub>	21.75
Al <sub>2</sub> O <sub>3</sub>	5.11
Fe <sub>2</sub> O <sub>3</sub>	2.59
CaO	65.41
MgO	2.71
SO <sub>3</sub>	3.56
K <sub>2</sub> O	0.65
Na <sub>2</sub> O	0.24
Cl	0.06
Loss on Ignition	3.41
Not Detected	-5.49
Total	105.49

	%
Insol Residue	0.62
Free CaO	1.0
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.67
LSF (x 100)	91.57

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	47.3
C <sub>2</sub> S	16.7
C <sub>3</sub> A	5.8
C <sub>4</sub> AF	7.1

For and on behalf of  
HANSON CEMENT



*Dr Nina Cardinal, Dipl.Ing., CEng, MiMMM*  
National Technical Manager  
Hanson Cement

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