

## Chemical Report

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Composition of Ribblesdale PLC 52,5N, EN 197-1:2011, CEM II/A-LL 52,5N

Dispatched from Ribblesdale

Chemical analysis for week ending 23-Jul-23

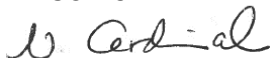
Week No. 2023-29

Compound	%
SiO <sub>2</sub>	19.76
Al <sub>2</sub> O <sub>3</sub>	4.37
Fe <sub>2</sub> O <sub>3</sub>	2.48
CaO	64.29
MgO	1.92
SO <sub>3</sub>	3.39
K <sub>2</sub> O	0.53
Na <sub>2</sub> O	0.25
Cl	0.06
Loss on Ignition	n/a
Not Detected	2.95
Total	97.05

	%
Insol Residue	n/a
Free CaO	0.3
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.64
LSF (x 100)	99.58

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	53.3
C <sub>2</sub> S	17.8
C <sub>3</sub> A	3.9
C <sub>4</sub> AF	7.4

For and on behalf of  
HANSON CEMENT



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

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