

## 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 15-May-22

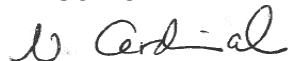
Week No. 2022-19

Compound	%
SiO <sub>2</sub>	20.74
Al <sub>2</sub> O <sub>3</sub>	4.93
Fe <sub>2</sub> O <sub>3</sub>	2.60
CaO	65.95
MgO	2.79
SO <sub>3</sub>	3.52
K <sub>2</sub> O	0.66
Na <sub>2</sub> O	0.30
Cl	0.05
Loss on Ignition	3.19
Not Detected	-4.70
Total	104.70

	%
Insol Residue	n/a
Free CaO	0.9
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.67
LSF (x 100)	96.71

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	56.1
C <sub>2</sub> S	20.0
C <sub>3</sub> A	7.3
C <sub>4</sub> AF	5.8

For and on behalf of  
HANSON CEMENT



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

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