

## 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 25-Jul-21

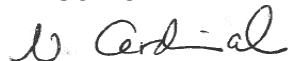
Week No. 2021-29

Compound	%
SiO <sub>2</sub>	19.96
Al <sub>2</sub> O <sub>3</sub>	4.83
Fe <sub>2</sub> O <sub>3</sub>	2.32
CaO	66.05
MgO	2.22
SO <sub>3</sub>	3.38
K <sub>2</sub> O	0.64
Na <sub>2</sub> O	0.27
Cl	0.06
Loss on Ignition	n/a
Not Detected	0.28
Total	99.72

	%
Insol Residue	n/a
Free CaO	0.9
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.68
LSF (x 100)	100.79

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	56.0
C <sub>2</sub> S	19.9
C <sub>3</sub> A	7.7
C <sub>4</sub> AF	6.5

For and on behalf of  
HANSON CEMENT



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

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