

## 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 21-Jan-24

Week No. 2024-3

| Compound                       | %     |
|--------------------------------|-------|
| SiO <sub>2</sub>               | 19.30 |
| Al <sub>2</sub> O <sub>3</sub> | 4.42  |
| Fe <sub>2</sub> O <sub>3</sub> | 2.51  |
| CaO                            | 64.51 |
| MgO                            | 1.85  |
| SO <sub>3</sub>                | 3.23  |
| K <sub>2</sub> O               | 0.56  |
| Na <sub>2</sub> O              | 0.21  |
| Cl                             | 0.07  |
| Loss on Ignition               | n/a   |
|                                |       |
| Not Detected                   | 3.36  |
| Total                          | 96.64 |

|  | %      |
|--|--------|
| Insol Residue  | n/a    |
| Free CaO   | 0.8    |
| Certified<br>Average Alkali<br>Na <sub>2</sub> O (Equiv) | 0.61   |
| LSF (x 100)  | 102.11 |

| Clinker compounds by<br>Rietveld analysis |      |
|---|------|
| C <sub>3</sub> S                          | 52.0 |
| C <sub>2</sub> S                          | 18.7 |
| C <sub>3</sub> A                          | 4.1  |
| C <sub>4</sub> AF                         | 7.8  |

For and on behalf of  
HEIDELBERG MATERIALS UK



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