

**RESULTS OF ANALYSIS:**

**1. PURITY:**

Lab Number:	20/A/2447	20/A/2448
Sample Marked:	Cement Grade	Plaster Grade
Purity, as Calcium Sulphate Dihydrate (Gypsum), % w/w:	97.4	96.3

**2. ELEMENTAL ANALYSIS BY X-RAY FLUORESCENCE (XRF):**

Lab Number:	20/A/2447	20/A/2448
Sample Marked:	Cement Grade	Plaster Grade
Aluminium, as Al <sub>2</sub> O <sub>3</sub> , % w/w:	Less than 0.01	Less than 0.01
Calcium, as CaO, % w/w:	34.80	32.66
Chromium, as Cr <sub>2</sub> O <sub>3</sub> , % w/w:	Less than 0.01	Less than 0.01
Iron, as Fe <sub>2</sub> O <sub>3</sub> , % w/w:	0.01	0.01
Magnesium, as MgO, % w/w:	0.44	0.35
Manganese, as Mn <sub>2</sub> O <sub>3</sub> , % w/w:	Less than 0.01	Less than 0.01
Phosphorus, as P <sub>2</sub> O <sub>5</sub> , % w/w:	Less than 0.01	Less than 0.01
Potassium, as K <sub>2</sub> O, % w/w:	0.02	0.01
Silicon, as SiO <sub>2</sub> , % w/w:	Less than 0.01	Less than 0.01
Sodium, as Na <sub>2</sub> O, % w/w:	0.12	0.02
Strontium, as SrO, % w/w:	0.38	0.46
Sulphate, as SO <sub>3</sub> , % w/w:	42.13	41.65
Titanium, as TiO <sub>2</sub> , % w/w:	0.01	Less than 0.01
Loss on Ignition, % w/w: (25°C to 925°C)	22.08	24.83
<b>SUM, %:</b>	<b>100.00</b>	<b>100.00</b>