

CEMENT SPECIFICATION (Type 1)

Cement Type (1)

Product Details

Product

Cement Type (1)

Usage

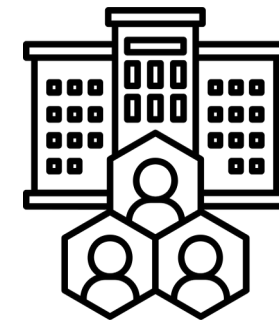
Building material

Packing

PP Bag 25,50 KG

Jumbo Bags 1, 1 5, 2 tons





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No.	Test Parameters (MESJ)	Method	Value	Tolerance
Chemical Test				
1	Silicon Dioxide (SiO ₂)	ASTM C-150-05	22.22	*
2	Aluminum Oxide (Al ₂ O ₃)	5.52 * 3 Ferric Oxide (Fe ₂ O ₃)	3.77	*
4	Calcium Oxide (CaO)	63.14 * 5 Magnesium Oxide (MgO)	1.92	Max 5
6	Sulfur Trioxide (SO ₃)	2.56 Max 3.5 8 Total Alkali	0.77	*
9	Insoluble Residue (IR)	0.40 Max 0.75 10 Loss on Ignition (LOI)	1.80	Max 3
12	Free Lime	1.10 Max 2 13 Tricalcium Silicate (C ₃ S) Bouge Method 53.60 * 14 Dicalcium Silicate (C ₂ S)	17.54	*
15	Tricalcium Aluminate (C ₃ A)	8.23 * 16 Calcium Alumino Ferrite (C ₄ AF)	11.59	*
Physical Test				
1	Blaine (Cm ² /g)	ASTM C-150-05	2990	Min 2800
Setting Time (m)				
2	Initial	ASTM C-150-05	235	Min 45
3	Final	275 Min 360 Compressive Strength (Kg/(Cm ²) 4 2 Day ASTM C-150-05 220 Min 100 5 7 Day	360	*
6	28 Day	470 Min 425 7 Specific Gravity (g/Cm ³)	3.12	*