



IS 16415:2015

CML-6200134386

ISO 9001, ISO 14001, ISO 50001 & OHSAS 18001
Certified by IRQS


JSW CEMENT LTD., VIJAYANAGAR WORKS

CERTIFICATE FOR COMPOSITE CEMENT

S.No.	Characteristics	Requirement as Per IS 16415:2015	Test Result
CHEMICAL REQUIREMENTS		% Max.	
1	Insoluble Residue (%) a) Max. b) Min. Where X is the declared % of pozzolana in composite cement	$X+4(100-X)/100$ 0.6X	15.62
2	Magnesium Oxide (% MgO) Max.	8.0	2.85
3	Sulphur Trioxide (% SO ₃)	3.5	1.78
4	Sulphide Sulphur (% S)	0.75	0.16
5	Loss Of Ignition (%)	5.0	2.70
6	Chlorides (%)	0.1	0.009
7	Alkali Content (%) as Na ₂ O max.(%)	0.6	0.37
PHYSICAL REQUIREMENTS			
1	Normal Consistency	NA	30.25
2	Fineness (M ² /Kg)(Min)	300	341
3	Setting Time (minutes) a) Initial(Min) b) Final(Max)	30 600	150 245
4	Soundness a) Le-chatelier (mm)(Max) b) Auto Clave (%) (Max)	10 0.8	1.15 0.01
5	Compressive Strength (MPa) a) 72 ± 1h (3 days)(Min) b) 168 ± 2h(7 days)(Min) c) 672 ± 4h (28 days)(Min)	16 22 33	20.29 31.14 Awaited
6	Drying shrinkage (%) Max.	0.15	Awaited

Week No. 39

24.09.2023– 30.09.2023


Authorized signatory