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KALBURGI CEMENT PVT. LTD.

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Works: Chatrasala (V), Kharchkhed (Post) - 585 320, Chincholi (Tq.), Gulbarga Dist.

IS:1489 (Part-1)



CM/L :4596685

TEST CERTIFICATE (PPC)

Product : VICAT - DURAMATE

Week No: 17

Despatched from: 23.04.2021 to 29.04.2021

A. PHYSICAL REQUIREMENTS	RESULTS	As per IS 1489 (Part-1) 2015
Fineness:		
a. Specific Surface (m ² /kg)	355	Not less than 300
b. Normal Consistency (%)	31.50	-----
Soundness:		
a. By Le-Chatelier Method (mm)	1.00	Not more than 10 mm
b. By Autoclave (%)	0.030	Not more than 0.8 %
Setting Time:		
a. Initial Setting Time (minutes)	155	Not less than 30
b. Final Setting Time (minutes)	245	Not more than 600
Compressive Strength (MPa)		
a. 3 days	25.50	Not less than 16
b. 7 days	34.80	Not less than 22
c. 28 days	54.60	Not less than 33
d. Drying Shrinkage(%)	0.02	Not more than 0.15
e. Flyash Addition (%)	33.72	Not more than 35
B. CHEMICAL REQUIREMENTS		
a. Insoluble Residue (%)	30.35	$X+4(100-X)/100$; X = % of Flyash
b. Magnesia (%)	0.87	Not more than 6.0
c. Sulphuric Anhydride (%)	2.33	Not more than 3.5
d. Loss on Ignition (%)	2.27	Not more than 5.0
e. Alkali Content (%)	0.64	Not more than 0.90
f. Temperature During Testing(°C)	27.50	27 ± 2


Section In-Charge (Q.C)

Authorised Signature