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KALBURGI CEMENT PVT. LTD.Corporate Office: 8-2-626, Reliance Majestic Building, Road No. 10, Banjara Hills,
Hyderabad – 500 034, A.P., India. Ph.: +91 40 3006999; Fax: +91 40 30006955**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: 36****Despatched From : 3/9/2025 TO 9/9/2025**

A. PHYSICAL REQUIREMENTS (as per IS:4031)	RESULTS	As per IS 1489 (Part-1) 2015
Fineness:		
a. Specific Surface (m ² /kg)	336	Not less than 300
b. Normal Consistency (%)	31.75	-----
Soundness:		
a. By Le-Chatelier Method (mm)	1.75	Not more than 10 mm
b. By Autoclave (%)	0.05	Not more than 0.8 %
Setting Time:		
a. Initial Setting Time (minutes)	145	Not less than 30
b. Final Setting Time (minutes)	240	Not more than 600
Compressive Strength (MPa)		
a. 3 days	24.12	Not less than 16
b. 7 days	Awaited	Not less than 22
c. 28 days	Awaited	Not less than 33
d. Drying Shrinkage(%)	Awaited	Not more than 0.15
e. Flyash Addition (%)	29.19	Not more than 35
B. CHEMICAL REQUIREMENTS (as per IS:4032)		
a. Insoluble Residue (%)	25.72	Max=(X+4*(100-X)/100) Min=0.6*X, X = Flyash addition (%)
b. Magnesia (%)	1.15	Not more than 6.0
c. Sulphuric Anhydride (%)	2.00	Not more than 3.5
d. Loss on Ignition (%)	2.12	Not more than 5.0
e. Alkali Content (%)	0.79	Not Specified
f. Temperature During Testing °C	27.60	27 ± 2

Asst Manager-QC**HOD - QC**



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A. PHYSICAL REQUIREMENTS (as per IS:4031)	RESULTS	As per IS 1489 (Part-1) 2015
Fineness:		
a. Specific Surface (m ² /kg)	332	Not less than 300
b. Normal Consistency (%)	31.8	-----
Soundness:		
a. By Le-Chatelier Method (mm)	1.25	Not more than 10 mm
b. By Autoclave (%)	0.05	Not more than 0.8 %
Setting Time:		
a. Initial Setting Time (minutes)	150	Not less than 30
b. Final Setting Time (minutes)	250	Not more than 600
Compressive Strength (MPa)		
a. 3 days	24.03	Not less than 16
b. 7 days	32.42	Not less than 22
c. 28 days	Awaited	Not less than 33
d. Drying Shrinkage(%)	Awaited	Not more than 0.15
e. Flyash Addition (%)	29.27	Not more than 35
B. CHEMICAL REQUIREMENTS (as per IS:4032)		
a. Insoluble Residue (%)	25.80	Max=(X+4*(100-X)/100) Min=0.6*X, X = Flyash addition (%)
b. Magnesia (%)	1.22	Not more than 6.0
c. Sulphuric Anhydride (%)	2.01	Not more than 3.5
d. Loss on Ignition (%)	2.02	Not more than 5.0
e. Alkali Content (%)	0.80	Not Specified
f. Temperature During Testing °C	27.80	27 ± 2

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A. PHYSICAL REQUIREMENTS (as per IS:4031)	RESULTS	As per IS 269 – 2015
Fineness:		
a. Specific Surface (m ² /kg)	334	Not less than 300
b. Normal Consistency (%)	31.8	-----
Soundness:		
a. By Le-Chatelier Method (mm)	1.50	Not more than 10 mm
b. By Autoclave (%)	0.04	Not more than 0.8 %
Setting Time:		
a. Initial Setting Time (minutes)	150	Not less than 30
b. Final Setting Time (minutes)	260	Not more than 600
Compressive Strength (MPa)		
a. 3 days	24.35	Not less than 16
b. 7 days	32.69	Not less than 22
c. 28 days	52.17	Not less than 33
d. Drying Shrinkage(%)	Awaited	Not more than 0.15
e. Flyash Addition (%)	29.46	Not more than 35
B. CHEMICAL REQUIREMENTS (as per IS:4032)		
a. Insoluble Residue (%)	25.48	Max=(X+4*(100-X)/100) Min=0.6*X, X = Flyash addition (%)
b. Magnesia (%)	1.24	Not more than 6.0
c. Sulphuric Anhydride (%)	2.01	Not more than 3.5
d. Loss on Ignition (%)	1.86	Not more than 5.0
e. Alkali Content (%)	0.84	Not Specified
f. Temperature During Testing °C	27.90	27 ± 2

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IS:1489 (Part-1)



CM/L :4596685

TEST CERTIFICATE (PPC)**Product : VICAT - DURAMATE****Week No: 31****Despatched From : 30/7/2025 TO 5/8/2025**

A. PHYSICAL REQUIREMENTS (as per IS:4031)	RESULTS	As per IS 269 – 2015
Fineness:		
a. Specific Surface (m ² /kg)	336	Not less than 300
b. Normal Consistency (%)	31.8	-----
Soundness:		
a. By Le-Chatelier Method (mm)	1.50	Not more than 10 mm
b. By Autoclave (%)	0.04	Not more than 0.8 %
Setting Time:		
a. Initial Setting Time (minutes)	145	Not less than 30
b. Final Setting Time (minutes)	250	Not more than 600
Compressive Strength (MPa)		
a. 3 days	24.14	Not less than 16
b. 7 days	32.50	Not less than 22
c. 28 days	52.10	Not less than 33
d. Drying Shrinkage(%)	0.036	Not more than 0.15
e. Flyash Addition (%)	29.16	Not more than 35
B. CHEMICAL REQUIREMENTS (as per IS:4032)		
a. Insoluble Residue (%)	25.38	Max=(X+4*(100-X)/100) Min=0.6*X, X = Flyash addition (%)
b. Magnesia (%)	1.24	Not more than 6.0
c. Sulphuric Anhydride (%)	2.05	Not more than 3.5
d. Loss on Ignition (%)	1.92	Not more than 5.0
e. Alkali Content (%)	0.83	Not Specified
f. Temperature During Testing °C	27.60	27 ± 2

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