

REPORT NO.

ULR No.:

Issued To

:

Date of Receipt

:

Date of Start of Analysis

:

Letter Ref. No. & Date

:

Date of Completion of Analysis

:

Sample Description

:

Date of Issue

:

Name of Work

:

Agency

:

S.No.

Tests

Test Methods

Requirements as per IS 9103:1999 With Amendment No. 1,2 (SuperplasticizerAdmixture, Retarding Type)

Results

Conformity

A. Physical Properties

1.

Water Content, % Of Control Sample

IS 9103:1999, RA 2018

80 Max.

2.

Time of Setting allowable deviation from Control Sample, hrs.

a

Initial

IS 1199(P-7):2018

+4 Max.

-1 Min.

b

Final

±3 Max.

3.

Compressive Strength, % of Control Sample

a

3 days

IS 516:1959, RA 2018

125 Min.

b

7 days

125 Min.

c

28 days

115 Min.

4.

Flexural Strength, % of Control Sample

a

3 days

IS 516:1959, RA 2018

110 Min.

b

7 days

100 Min.

c

28 days

100 Min.

5.

Bleeding, %,increase over Control Sample

IS 9103:1999 Annex-D, RA 2018

5 Max.

6.

Air Content, % of Control Sample

IS 1199(P-1 to 7):2018

1.5 Max.

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S.No.	Tests	Test Methods	Requirements as per IS 9103:1999 With Amendment No. 1,2 (SuperplasticizerAdmixture, Retarding Type)	Results	Conformity
7.	Flow, mm	IS 9103:1999, RA 2018	510-620		
8.	Loss of workability on Standing	IS 1199(P-1 to 7):2018	At 2 hours, the slum shall be not less than that of control mix concrete at 15 min.		
9.	Minimum Compressive Strength, % of Control mix Concrete				
a	7 days	IS 516:1959, RA 2018	90 Min.		
b	28 days		90 Min.		
B. Chemical Properties					
1.	pH	IS:9103-1999 (Annexure E-5), RA 2018	6.0 Min.		
2.	Relative Density	IS:9103-1999 (Annexure E-3), RA 2018	± 0.02 of the value stated by the manufacturer		
3.	Dry Material Content, %	IS:9103-1999 (Annexure E-1), RA 2018	± 5% of the value stated by the manufacturer		
4.	Ash Content, %	IS:9103-1999 (Annexure E-2), RA 2018	± 5% of the value stated by the manufacturer		
5.	Chloride Ion Content, %	IS:6925-1973, RA 2018	± 10% of the value or ± 0.2% whichever is greater as stated by the manufacturer		