



THE INDIA CEMENTS LIMITED

WORKS : MALKAPUR - 501158, P.B. No. 07, SY. No. 51,
TANDUR MANDAL, RANGA REDDY DIST., TELANGANA
Tel : 08411 - 242247, 242324 to 242326, Fax : 08411 - 242302



AN IS/ISO 9001:2015 CERTIFIED COMPANY

COROMANDEL KING SUPERIOR OPC 53 GRADE CEMENT TEST CERTIFICATE

PARTICULARS

TEST RESULTS



Specification as per
IS 269:2015

A CHEMICAL REQUIREMENTS:

1	LSF (Lime Saturation factor)	0.91	0.80-1.02
2	Alumina Modulus	1.03	Min 0.66
3	Insoluble residue (%)	2.50	Max 5.0
4	Magnesia (%)	1.05	Max 6.0
5	Sulphuric Anhydride (%)	2.46	Max.3.5
6	Loss on Ignition (%)	2.63	Max.4.0
7	Chloride (%)	0.012	Max 0.10

B PHYSICAL REQUIREMENTS:


1	Specific Surface Area (M ² /kg)	315	Min. 225
2	Soundness		
	a) Le Chatelier (mm)	1.0	Max 10
	b) Autoclave (%)	0.03	Max 0.8
3	Setting Time (minutes)		
	a) Initial	118	Min 30
	b) Final	223	Max 600
4	Compressive Strength(Mpa)		
	a) 3 Days	36.6	Min 27
	b) 7 Days	48.4	Min 37
	c) 28 Days	58.6	Min 53
5	NC(%)	26.8	--
6	Sp.Gravity (gm/CC)	3.12	--

The sample complies with the requirements of IS 269:2015 for 53 Grade Ordinary Portland Cement.

Date of Despatch: 14.05.2022 to 20.05.2022 Week No: 20

Permitted Performance improvers are added (Type: Limestone: 2.0% & Flyash: 3.0%)




HOD (QA)

Registered Office : "DHUN BUILDING", 827, Anna Salai, CHENNAI - 600 002.

Corporate Office : Coromandel Towers, 93, Santhome High Road, Karpagam Avenue, R.A. Puram, CHENNAI - 600 028

Phones : (044) 28521526 / 28521527 Fax : (044) 28528106, www.indiacements.co.in

E.CC.No. AAAC1728PXM010, SERVICE TAX No. AAAC1728PST017, PAN No. AAAC1728P

TIN No. 36220189434, TAN No. HYDT03638F

Railway Siding Code : MICT 09528512, Corporate Identity No. (CIN) : L26942TN1946PLC000931



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COROMANDEL OPC 43 GRADE CEMENT TEST CERTIFICATE



Specification as per
IS 269:2015

<u>PARTICULARS</u>	<u>TEST RESULTS</u>	
A CHEMICAL REQUIREMENTS:		
1 LSF (Lime Saturation factor)	0.90	0.66-1.02
2 Alumina Modulus	1.04	Min 0.66
3 Insoluble residue (%)	2.56	Max 5.0
4 Magnesia (%)	1.07	Max 6.0
5 Sulphuric Anhydride (%)	2.29	Max.3.5
6 Loss on Ignition (%)	2.65	Max 5.0
7 Chloride (%)	0.013	Max 0.10
B PHYSICAL REQUIREMENTS:		
1 Specific Surface Area (M ² /kg)	296	Min. 225
2 Soundness		
a) Le Chatelier (mm)	1.0	Max 10
b) Autoclave (%)	0.03	Max 0.8
3 Setting Time (minutes)		
a) Initial	120	Min 30
b) Final	235	Max 600
4 Compressive Strength(Mpa)		
a) 3 Days	34.8	Min 23
b) 7 Days	44.6	Min 33
c) 28 Days	53.6	Min 43 & Max 58
5 NC(%)	26.9	--
6 Sp.Gravity(gm/CC)	3.13	--

The sample complies with the requirements of IS 269:2015 for 43 Grade Ordinary Portland Cement

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AN IS/ISO 9001:2015 CERTIFIED COMPANY

COROMANDEL KING SUPER POWER PPC (FA BASED) TEST CERTIFICATE

<u>PARTICULARS</u>	<u>TEST RESULTS</u>	 Specification as per IS:1489(Part-1):2015
A CHEMICAL REQUIREMENTS:		
1 Sulphuric Anhydride (%)	2.49	Max 3.5
2 Magnesia (%)	1.07	Max 6.0
3 Loss on Ignition (%)	2.33	Max 5.0
4 Insoluble Residue (%)	24.29	Max $X+[4(100-X)/100]$
5 Chloride (%)	0.013	Max. 0.1
B PHYSICAL REQUIREMENTS:		
1 Specific Surface Area (M ² /kg)	333	Min. 300
2 Soundness		
a) Le Chatelier (mm)	1.0	Max 10
b) Autoclave (%)	0.03	Max 0.8
3 Setting Time (minutes)		
a) Initial	121	Min 30
b) Final	229	Max 600
4 Compressive Strength (Mpa)		
a) 3 Days	24.8	Min. 16
b) 7 Days	35.5	Min. 22
c) 28 Days	44.2	Min 33
5 % Drying Shrinkage	Results awaited	Max 0.15
6 % of Flyash	27.0	Min 15 and Max 35
7 NC(%)	27.3	--
8 Sp.Gravity(gm/CC)	2.91	--

The above cement complies to IS: 1489 (Part-1):2015 Portland Pozzolana Cement (Fly ash based).

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COROMANDEL KING SUPERIOR OPC 53 GRADE CEMENT TEST CERTIFICATE

PARTICULARS

TEST RESULTS



Specification as per
IS 269:2015

A CHEMICAL REQUIREMENTS:

1	LSF (Lime Saturation factor)	0.91	0.80-1.02
2	Alumina Modulus	1.03	Min 0.66
3	Insoluble residue (%)	2.50	Max 5.0
4	Magnesia (%)	1.05	Max 6.0
5	Sulphuric Anhydride (%)	2.46	Max.3.5
6	Loss on Ignition (%)	2.63	Max.4.0
7	Chloride (%)	0.012	Max 0.10

B PHYSICAL REQUIREMENTS:

1	Specific Surface Area (M ² /kg)	315	Min. 225
2	Soundness		
	a) Le Chatelier (mm)	1.0	Max 10
	b) Autoclave (%)	0.03	Max 0.8
3	Setting Time (minutes)		
	a) Initial	118	Min 30
	b) Final	223	Max 600
4	Compressive Strength(Mpa)		
	a) 3 Days	36.6	Min 27
	b) 7 Days	48.4	Min 37
	c) 28 Days	58.6	Min 53
5	NC(%)	26.8	--
6	Sp.Gravity(gm/CC)	3.12	--

The sample complies with the requirements of IS 269:2015 for 53 Grade Ordinary Portland Cement.

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COROMANDEL KING SUPERIOR OPC 43 GRADE CEMENT TEST CERTIFICATE

PARTICULARS

TEST RESULTS



Specification as per
IS 269:2015

A CHEMICAL REQUIREMENTS:

1	LSF (Lime Saturation factor)	0.90	0.66-1.02
2	Alumina Modulus	1.04	Min 0.66
3	Insoluble residue (%)	2.56	Max 5.0
4	Magnesia (%)	1.07	Max 6.0
5	Sulphuric Anhydride (%)	2.29	Max.3.5
6	Loss on Ignition (%)	2.65	Max 5.0
7	Chloride (%)	0.013	Max 0.10

B PHYSICAL REQUIREMENTS:

1	Specific Surface Area (M ² /kg)	296	Min. 225
2	Soundness		
	a) Le Chatelier (mm)	1.0	Max 10
	b) Autoclave (%)	0.03	Max 0.8
3	Setting Time (minutes)		
	a) Initial	120	Min 30
	b) Final	235	Max 600
4	Compressive Strength(Mpa)		
	a) 3 Days	34.8	Min 23
	b) 7 Days	44.6	Min 33
	c) 28 Days	53.6	Min 43 and Max 58
5	NC(%)	26.9	--
6	Sp.Gravity(gm/CC)	3.13	--

The sample complies with the requirements of IS 269:2015 for 43 Grade Ordinary Portland Cement

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CONCRETE SUPER KING PORTLAND POZZALONA CEMENT (FA BASED) TEST CERTIFICATE

<u>PARTICULARS</u>	<u>TEST RESULTS</u>	 Specification as per IS:1489(Part-1):2015
A CHEMICAL REQUIREMENTS:		
1 Sulphuric Anhydride (%)	2.02	Max 3.5
2 Magnesia (%)	1.07	Max 6.0
3 Loss on Ignition (%)	2.56	Max 5.0
4 Insoluble Residue (%)	11.59	Max $X+[4(100-X)/100]$
5 Chloride (%)	0.013	Max. 0.1
B PHYSICAL REQUIREMENTS:		
1 Specific Surface Area (M ² /kg)	349	Min. 300
2 Soundness		
a) Le Chatelier (mm)	1.0	Max 10
b) Autoclave (%)	0.02	Max 0.8
3 Setting Time (minutes)		
a) Initial	120	Min 30
b) Final	223	Max 600
4 Compressive Strength (Mpa)		
a) 3 Days	34.5	Min. 16
b) 7 Days	44.5	Min. 22
c) 28 Days	56.2	Min 33
5 % Drying Shrinkage	Results awaited	Max 0.15
6 % of Flyash	15.0	Min 15 and Max 35
7 NC(%)	27.4	--

The above cement complies to IS: 1489 (Part-1):2015 Portland Pozzolana Cement (Fly ash based).

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