



# 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)	0.92	0.80-1.02
2	Alumina Modulus	1.04	Min 0.66
3	Insoluble residue (%)	2.46	Max 5.0
4	Magnesia (%)	1.05	Max 6.0
5	Sulphuric Anhydride (%)	2.41	Max.3.5
6	Loss on Ignition (%)	2.60	Max.4.0
7	Chloride (%)	0.012	Max 0.10

#### B PHYSICAL REQUIREMENTS:


1	Specific Surface Area (M <sup>2</sup> /kg)	312	Min. 225
2	Soundness		
	a) Le Chatelier (mm)	2.0	Max 10
	b) Autoclave (%)	0.04	Max 0.8
3	Setting Time (minutes)		
	a) Initial	120	Min 30
	b) Final	230	Max 600
4	Compressive Strength(Mpa)		
	a) 3 Days	36.4	Min 27
	b) 7 Days	48.9	Min 37
	c) 28 Days	Results awaited	Min 53
5	NC(%)	26.7	--
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: 07.05.2022 to 13.05.2022 Week No: 19

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>	
<b>A CHEMICAL REQUIREMENTS:</b>		
1 LSF (Lime Saturation factor)	<b>0.91</b>	0.66-1.02
2 Alumina Modulus	<b>1.03</b>	Min 0.66
3 Insoluble residue (%)	<b>2.53</b>	Max 5.0
4 Magnesia (%)	<b>1.07</b>	Max 6.0
5 Sulphuric Anhydride (%)	<b>2.51</b>	Max.3.5
6 Loss on Ignition (%)	<b>2.59</b>	Max 5.0
7 Chloride (%)	<b>0.013</b>	Max 0.10
<b>B PHYSICAL REQUIREMENTS:</b>		
1 Specific Surface Area (M <sup>2</sup> /kg)	<b>295</b>	Min. 225
2 Soundness		
a) Le Chatelier (mm)	<b>1.0</b>	Max 10
b) Autoclave (%)	<b>0.03</b>	Max 0.8
3 Setting Time (minutes)		
a) Initial	<b>125</b>	Min 30
b) Final	<b>235</b>	Max 600
4 Compressive Strength(Mpa)		
a) 3 Days	<b>34.6</b>	Min 23
b) 7 Days	<b>44.9</b>	Min 33
c) 28 Days	<b>Results awaited</b>	Min 43 & Max 58
5 NC(%)	<b>26.9</b>	--
6 Sp.Gravity(gm/CC)	<b>3.13</b>	--

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

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



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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>	 <b>Specification as per IS:1489(Part-1):2015</b>
<b>A CHEMICAL REQUIREMENTS:</b>		
1 Sulphuric Anhydride (%)	<b>2.40</b>	Max 3.5
2 Magnesia (%)	<b>1.09</b>	Max 6.0
3 Loss on Ignition (%)	<b>2.23</b>	Max 5.0
4 Insoluble Residue (%)	<b>24.20</b>	Max $X+[4(100-X)/100]$
5 Chloride (%)	<b>0.013</b>	Max. 0.1
<b>B PHYSICAL REQUIREMENTS:</b>		
1 Specific Surface Area (M <sup>2</sup> /kg)	<b>337</b>	Min. 300
2 Soundness		
a) Le Chatelier (mm)	<b>1.0</b>	Max 10
b) Autoclave (%)	<b>0.02</b>	Max 0.8
3 Setting Time (minutes)		
a) Initial	<b>118</b>	Min 30
b) Final	<b>226</b>	Max 600
4 Compressive Strength (Mpa)		
a) 3 Days	<b>24.7</b>	Min. 16
b) 7 Days	<b>35.2</b>	Min. 22
c) 28 Days	<b>Results awaited</b>	Min 33
5 % Drying Shrinkage	<b>Results awaited</b>	Max 0.15
6 % of Flyash	<b>27.0</b>	Min 15 and Max 35
7 NC(%)	<b>27.5</b>	--
8 Sp.Gravity(gm/CC)	<b>2.93</b>	--

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

Date of Despatch: 07.05.2022 to 13.05.2022      Week No: 19



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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)	0.92	0.80-1.02
2	Alumina Modulus	1.04	Min 0.66
3	Insoluble residue (%)	2.46	Max 5.0
4	Magnesia (%)	1.05	Max 6.0
5	Sulphuric Anhydride (%)	2.41	Max.3.5
6	Loss on Ignition (%)	2.60	Max.4.0
7	Chloride (%)	0.012	Max 0.10

#### B PHYSICAL REQUIREMENTS:

1	Specific Surface Area (M <sup>2</sup> /kg)	312	Min. 225
2	Soundness		
	a) Le Chatelier (mm)	2.0	Max 10
	b) Autoclave (%)	0.04	Max 0.8
3	Setting Time (minutes)		
	a) Initial	120	Min 30
	b) Final	230	Max 600
4	Compressive Strength(Mpa)		
	a) 3 Days	36.4	Min 27
	b) 7 Days	48.9	Min 37
	c) 28 Days	Results awaited	Min 53
5	NC(%)	26.7	--
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)	0.91	0.66-1.02
2	Alumina Modulus	1.03	Min 0.66
3	Insoluble residue (%)	2.53	Max 5.0
4	Magnesia (%)	1.07	Max 6.0
5	Sulphuric Anhydride (%)	2.51	Max.3.5
6	Loss on Ignition (%)	2.59	Max 5.0
7	Chloride (%)	0.013	Max 0.10

#### B PHYSICAL REQUIREMENTS:

1	Specific Surface Area (M <sup>2</sup> /kg)	295	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	125	Min 30
	b) Final	235	Max 600
4	Compressive Strength(Mpa)		
	a) 3 Days	34.6	Min 23
	b) 7 Days	44.9	Min 33
	c) 28 Days	Results awaited	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>	 <u>Specification as per IS:1489(Part-1):2015</u>
<b>A CHEMICAL REQUIREMENTS:</b>		
1 Sulphuric Anhydride (%)	1.98	Max 3.5
2 Magnesia (%)	1.05	Max 6.0
3 Loss on Ignition (%)	2.61	Max 5.0
4 Insoluble Residue (%)	11.24	Max $X + [4(100-X)/100]$
5 Chloride (%)	0.013	Max 0.1
<b>B PHYSICAL REQUIREMENTS:</b>		
1 Specific Surface Area (M <sup>2</sup> /kg)	352	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	118	Min 30
b) Final	220	Max 600
4 Compressive Strength (Mpa)		
a) 3 Days	34.7	Min. 16
b) 7 Days	44.6	Min. 22
c) 28 Days	Results awaited	Min 33
5 % Drying Shrinkage	Results awaited	Max 0.15
6 % of Flyash	15.0	Min 15 and Max 35
7 NC(%)	27.3	--

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

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