

CIN:U74990DL2010PTC354497

## TEST REPORT

Test Report Issued To:

**L&T - STEC JV, MUMBAI UGC 07**

L&T BUSINESS PARK, TC-II, TOWER B, 1ST FLOOR,  
GATE NO.5,  
SAKI VIHAR ROAD, POWAI,  
MUMBAI, MAHARASHTRA - 400072,  
INDIA

Test Report No: M210415020/M210415020-111

Date of Issue: 05-May-2021



Sample Receipt Date: 15-Apr-2021

Date of Start of Testing: 15-Apr-2021

Date of Completion of Test: 05-May-2021

Customer Relationship Number 53332

**Sample Description :**

10 MM COARSE AGGREGATE, SOURCE-MS INFRA



**Customer Reference No**

LT-STEC-AA0-QAS-P07-QC-230 DT. 14/04/2021

**Kind Attention :** MR. SANDIP SONULE

**E-Mail:** sandip.sonule@sucgi.in

**Contact No:** 7840879956

**Sample Condition :** GOOD

Sample Quantity (Approx) : -

Sample Size (Approx) : -

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED

Report Issued By

ULR-TC816321000003508F

Authenticity of report can be verified by mail at [verification@spectrolab.in](mailto:verification@spectrolab.in)

This is a Digitally Signed Report and hence doesn't require Physical Signature.

Spectro SSA Labs Pvt. Ltd, R-489, Rabale, MIDC, Navi Mumbai- 400701 (India)

Phone :022-25893335 || Web : [www.spectrossa.com](http://www.spectrossa.com) || Email:[ratan@spectro.in](mailto:ratan@spectro.in)

ISO 9001:2015 & ISO 45001:2018 Certified Laboratory

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ID-M210415020-11

Sl. No.	Tests	Results	Requirements (as per IS: 383-2016)	Conformity	Test Method
1	Specific Gravity	2.78	---	---	
2	Bulk Density, Kg/litre				IS: 2386 (Pt.3)
	a) Loose	1.47	---	---	1963
	b) Compacted	1.56	---	---	
3	Water Absorption, %	1.98	---	---	
4	Combined Flakiness & Elongation Index, %	18.45	40 Max.	Yes	IS: 2386 (Pt.1)
5	Flakiness Index, %	9.35	---	---	1963
6	Elongation Index, %	9.10	---	---	
7	Soundness, % (after 5 cycles)				IS: 2386 (Pt.5)
	(a) With Sodium Sulphate	2.64	12 Max.	Yes	1963
	(b) With Magnesium Sulphate	2.76	18 Max.	Yes	
8	Aggregate Crushing Value, %	14.1	30 Max. Wearing Surface 45 Max. Non-Wearing Surface	Yes Yes	IS: 2386 (Pt.4)
9	Aggregate Impact Value, %	9.7	30 Max. Wearing Surface 45 Max. Non-Wearing Surface	Yes Yes	1963
10	Aggregate Abrasion Value, % (Loss Angeles)	18.5	30 Max. Wearing Surface 50 Max. Non-Wearing Surface	Yes Yes	
11	10 % Fine Value, (Tonnes)	27.1	---	---	
12	Deleterious Material, %				IS: 2386 (Pt.2)
	(a) Material Finer than 75 Microns	0.84	1 Max.	Yes	1963
	(b) Coal & Lignite	0.0	1 Max.	Yes	
	(c) Clay Lumps	0.0	1 Max.	Yes	
	(d) Total Deleterious Material	0.84	2 Max	Yes	
13	Sieve Analysis, % passing				IS: 2386 (Pt.1)
	Sieve Sizes				1963
	12.5 mm	100	100	Yes	
	10.0 mm	97.2	85-100	Yes	
	4.75 mm	4.8	0-20	Yes	
	2.36 mm	1.1	0-5	Yes	

  
Analyst Signature



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Authorised Signatory

**ID- M210415020-11**

**Chemical Properties**

Sr. No.	Tests	Results	Requirements (as per IS: 383:2016) (Amnd-1:2017)	Test Method	Conformity
1	Alkali Aggregate Reactivity				
	a) Dissolved Silica (millimoles/litre)	21.09	---	IS:2386(PART-7)1963	----
	b) Reduction in Alkalinity (millimoles/litre)	117.03	---	IS:2386(PART-7)1963	----
	c) Nature of Aggregate	Innocuous	Shall Be Innocuous	IS:2386(PART-7)1963	Yes
2	Water soluble Chloride (as Cl), % by mass	BLQ (< 0.01)	0.04 Max.	IS:14959 (P-2)2001 (Amnd-1:2007)	Yes
3	Sulphate (as SO <sub>3</sub> ), % by mass	BLQ (< 0.01)	0.5 Max.	IS:4032 -1985 (Amnd-2:2010)	Yes

Note: BLQ=Below limit quantification

-- End of Test Report --

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Analyst Signature



Testing(TC-8163)

Authorised Signatory