

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/M210415020-201

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 :**

CRUSH SAND, 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-TC816321000003512F

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)

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# TEST REPORT

Report No M210415020/M210415020-201

ID-M210415020-20

Sl. No.	Tests	Results	Requirements (as per IS: 383-2016 Gr. Zone-II)	Conformity	Test Method
1	Bulk Density, Kg/l				IS: 2386-1963 (Pt.3)
	a) Loose	1.73	---	---	
b) Compacted	1.97	---	---		
2	Specific Gravity	2.75	---	---	
3	Water Absorption, %	2.91	---	---	IS: 2386-1963 (Pt.2)
4	Silt Clay & Fine Dust, % by wt.	2.08	---	---	
5	Deleterious Material, %				
	a. Material Finer than 75 Microns	11.6	15 Max.	Yes	
	b. Coal & Lignite (Lightweight Pieces)	0.04	1 Max.	Yes	
	c. Clay Lumps	0.04	1 Max.	Yes	
6	Sieve Analysis, % passing				IS: 2386-1963 (Pt.1)
	Sieve Sizes				
	10.0 mm	100	100	Yes	
	4.75 mm	98.2	90-100	Yes	
	2.36 mm	82.4	75-100	Yes	
	1.18 mm	63.1	55-90	Yes	
	600 micron	37.4	35-59	Yes	
	300 micron	26.8	8-30	Yes	
150 micron	12.9	0-20	Yes		
7	Soundness (after 5 cycles), % Loss in wt.				IS: 2386-1963 (Pt.5)
	a. With Sodium Sulphate	2.86	10 Max.	Yes	
	b. With Magnesium Sulphate	3.12	15 Max.	Yes	

  
Analyst Signature



ULR-TC816321000003512F



Authorised Signatory

**ID- M210415020-20**

**Chemical Properties**

Sr. No.	Tests	Results	Requirements (as per IS: 383:2016) (Ammd-1:2017)	Test Method	Conformity
1	Alkali Aggregate Reactivity				
	a) Dissolved Silica (millimoles/litre)	21.98	---	IS:2386(PART-7)1963	----
	b) Reduction in Alkalinity (millimoles/litre)	109.56	---	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 (Ammd-1:2007)	Yes
3	Sulphate (as SO <sub>3</sub> ), % by mass	BLQ (< 0.01)	0.5 Max.	IS:4032 -1985 (Ammd-2:2010)	Yes

Note: BLQ=Below limit quantification

-- End of Test Report --

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*[Signature]*  
Analyst Signature



Testing(TC-8163)

Authorised Signatory