



## ULTRAFINE™

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- UltraFine: Product details
- Process flow Diagram
- Quality Plan
- Technical Data sheet of UltraFine
- Test Certificate of UltraFine
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- Third party test certificate: Bureau Veritas India Pvt. Ltd
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- Valuable clients list.



## **ULTRAFINE MINERAL & ADMIXTURES PVT. LTD**

Ultrafine Mineral and Admixtures Pvt.Ltd is a TrueNorth group company having state of the art manufacturing facility at Nagpur, which specialize in manufacturing and distribution of UltraFine<sup>™</sup> additives for Concrete, grouts and high strength mortars.

Companies under TrueNorth Umbrella:

RDC Concrete, ROBO Silicon, MERU Cabs, Fincare, SESA, Zydus Wellness, NBHC, HICARE, ACT and many more.

**ULTRAFINE MINERAL & ADMIXTURES** has been at the forefront in setting high standards for plant and machinery, production, quality systems and services.

**ULTRAFINE MINERAL & ADMIXTURES** provide cleaner and safer environment ,save national resources like less embodied energy reduce the pollution and raw material hence less cement will be used & ensure clean air to breath reduction in carbon emission.

## VISION

To be a catalyst in construction industry supply chain by providing innovative, Sustainable, durable and value adding quality products to our customers. About Us





highest in the RMC Industry in past 3 years.

## **TrueNorth & Ultrafine Mineral**





# **Ultrafine Mineral & Admixtures** was established on March 2020



It enjoys being the **pioneer in manufacturing mineral additive** in India.







Owned by **TRUENORTH** (formerly known as India Value Fund), having a turnover of **Rs. 20,000Cr** 

Has invested in over **35 mid-sized profitable** businesses



**Operates** in all the **29 states** in India through different businesses



TrueNorth has invested in over 35 mid-sized profitable businesses

Zydus Wellness is a high quality (well established and highly profitable)	Zydus Wellness		SESA	Shree Digvijay Cement Company (Digvijay Cements)	SHREE DIGVIJAY CEMENT CO. LTD.
More	1				
RELY ON US	Though now better known through its branded fleet of radio taxis <u>More</u>	RDC Concrete	Set up in 1993 by Unitach Constructions Ltd and RDC Concrete Singapore, the <u>More</u>	ROBO	Robo Silicon was incorporated in 1999 and commenced <u>More</u>
Launched by Dr. Azad Moopen, a doctor turned entrepreneur	( And A And	Incorporated by True North in December 2009, Akshayini Oorja Pvt. Lid <u>More</u>	AKSHAYINI 2008JA	Fincare Business Services, an NBFC-CIC, is the holding company of	鑬 fincare
BORN	Launched in 1987, BORN, formarly called Group FMG, is a global <u>More</u>	<b>VKL</b> Benied every great taste	VKL is a leading manufacturer of seasonings and flavors <u>More</u>		Trivitron is a leading Mediach (medical equipment and <u>More</u>

Hicare was founded in 1993 by the Godrej Group to provide pest	HICARE Hi on expertise, Hi on care	NBHC was set up in 2005 as one of the first private sector agricultural	Adding Velue to Commodities	Magma Fincorp Limited ("Magma") is among the leading	MAGMA
deGustibus.	DeGustibue Hospitality Pvt Ltd (DHPL), established in 1996 <u>More</u>	Cloudnine	With its large population and favorable demographics, India	AGI	Atris Convergence Technologies (ACT) Bengaluru-based Atria <u>More</u>
Seedworks is in the business of developing and seeding hybrid seeds	SeedWorks	Mumbai-based Home First Finance Company (HFFC) is a young housing <u>More</u>	home first	Infinity Fincorp Solutions (IFS) is a new non-banking financial company	ENVELOP ADVA. BARTH HOMAGA
KIMŚ	KIMS began operations in 2002 and has built strong trust with its patients	(InteGrace)	Integrace was carved out as a standalone entity from Glenmark in Sept 2018 More		



## CAPABILITIES

**Quality:** Being a quality driven company, we always strive hard to bring forth a qualitative assortment of our products. Our entire product line is in compliance with Indian Standards.

We have our own sophisticated quality control experts, wherein they keep conducting continuous quality test on our products for improvement. We are committed to continuous supply of quality products to our customers.

**Service:** Anticipating customer needs early and being able to serve them with differentiated products and services is a key pier of our Business.

## PRODUCTS

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# UltraFine<sup>™</sup> – Confirming to IS:16715-2018 & its amendment in 2019

**UltraFine**<sup>™</sup> is an additive which is controlled for its particle size and shape in order to achieve high level of reactivity and particle packing within concrete and cement paste matrix which leads to better strength and durability of the concrete.

Careful selection of raw material combined with production capabilities and controls make UltraFine<sup>™</sup> a very effective performance enhancer in combination with Ordinary Portland cement

## WHY UltraFine™

- As a result of advancement in concrete technology, high strength and high performance concrete has gained worldwide demand and popularity.
- Commonly used additives increases the water demand of concrete.
- Additives available in market can increase the admixture requirement for given workability.
- Consistency and Rheology required for high rise pumping is hard to achieve with solutions available in the market.

## **Benefits of UltraFine™**



- Lower water demand in comparison to Microsilica.
- Better compressive strength at 24 hours
- Better workability and slump retention
- Lower heat of hydration released for given strength of concrete



Increased Durability

Process Flow diagram of UltraFine™



## Quality plan UltraFine™



Sr. No	Test	Reference	Test Method	No. of tests	Frequency	Remarks
		Chemical tests				
1	Mangnese Oxide (MnO) % by mass	IS 16715 & Amd 1	IS 4032	1		
2	MagnesiumOxide (MgO) % by mass	IS 16715 & Amd 1	IS 4032	1		
3	Sulphide Sulphur (S) % by mass	IS 16715 & Amd 1	IS 4032	1		
4	Sulpahte (SO $_3$ ) % by mass	IS 16715 & Amd 1	IS 4032	1		
5	Insoluble residue % by mass	IS 16715 & Amd 1	IS 4032	1		
6	Chloride Content (Cl) % by mass	IS 16715 & Amd 1	IS 4032	1		
7	Loss on Ignition % by mass	IS 16715 & Amd 1	IS 4032	1	Weekly	
8	Calcium Oxide (CaO) % by mass	IS 16715 & Amd 2	IS 4033	1	sample	
9	Silicon dioxide (SiO <sub>2</sub> ) % by mass	IS 16715 & Amd 3	IS 4034	1		
10	$CaO + MgO + 1/3Al_2O_3$ $SiO_2 + 2/3 Al_2O_3$	IS 16715 & Amd 1	IS 4032	1		
11	$CaO + MgO + Al_2O_3$ $SiO_2$	IS 16715 & Amd 1	IS 4032	1		
12	CaO+ CaS+1/2 MgO+Al <sub>2</sub> O <sub>3</sub> SiO <sub>2</sub> +MnO	IS 16715 & Amd 1	IS 4032	1		For slag with MnO >2.5% only
13	Moisture Content	IS 16715 & Amd 1	IS 4032	1		
	1	Physical te	ests			
14	Fineness by BET method	IS 16715 & Amd 1	IS 11578	1	Monthly composite sample	Frequency can be increased as per client's requirement
15	Particle Size μm D50 D95	Laser diffraction PSD analyzer	ISO 13320	1	Every 4 hours	
16	Slag activity Index	IS 16715 & Amd 1	IS 4031 Part 6	1	Weekly composite sample	

## UltraFine™

Microfine mineral additive for concrete, mortars and grouts.

## DESCRIPTION

UltraFine is a calcium silicate mineral based additive which is controlled for its particle size distribution to achieve the high levels of reactivity. Fineness and high reactivity of UltraFine attributes to enhanced hydration process. Addition of UltraFine improves the particle packing of paste components which ultimately leads to concrete with higher strength and improved durability.

## **AREAS OF APPLICATION**

- Medium to ultra high strength concrete.
- High flow and self compacting concrete.
- High rise structures where pumping is a challenge.
- Precast concrete elements like tunnel segments, blocks, beams and girders etc.
- Pre and post stressed concrete elements.
- Temperature controlled mass concrete for raft and pile foundations.
- Shotcrete with improved adhesion and higher strength development.
- High performance concrete with lower water to binder ratio.
- Structures where durability parameters are pre requisite.
- General residential and commercial building construction.
- Repair mortars, plasters and grouts.
- LEED/GREEN compliant sustainable construction.

### **ADVANTAGES**

- Faster strength development at early age in concrete.
- Improves pore structure in concrete leading to increased ultimate strength and increased durability.
- Increased resistance against harsh environmental conditions.
- Maintains pH of concrete, helps protect steel reinforcement.
- Better rheology and pump ability in concrete compared to other micro fine materials.
- Reduces striking time of form work, helps quick rotation of form work.
- Better initial slump and increased slump retention without increasing chemical admixtures.

## PROPERTIES

Parameter	Typical
	range
CaO %, by mass	32-38
SiO <sub>2</sub> %, by mass	33-35
$Al_2O_3$ %, by mass	15-20
Cl %, by mass	0.004-0.02
SO₃%, by mass	0.1-0.4
S %, by mass	0.3-0.5
Glass Content %	86-98
Fineness by BET method	1800-3000
(m²/kg)	
Particle size (D <sub>50</sub> ), micron	3.5 -5
Particle size (D <sub>95</sub> ), micron	8-10
Slag activity index % at 7 days	88-91
Slag activity index % at 28	107-120
days	

### **APPLICABLE STANDARDS**

IS 16715: 2018 and Amd. No. 1 (2019)

### USAGE

UltraFine is a hydraulic additive and should be added in a measured and controlled manner and mixed along with cement or other pozzolanic material. Proper dispersion of the UltraFine must be ensured to achieve the best results. It is recommended to use 6% - 8% Ultrafine by weight of total binder in concrete/mortar mix design. This value depends upon the grade, type and application of the concrete mixes. For special cases, this dosage value can vary but it is recommended to validate it first in the laboratory.

### STORAGE

UltraFine bags must be stored in a ventilated, dry area and must be protected from moisture and direct sunlight. Properly stocked sealed UltraFine bags can be used up till 6 months from the date of manufacturing.

### HEALTH AND SAFETY

- Use hand gloves, eye glass and mask while handling UltraFine.
- Avoid prolonged contact with skin or eyes. Wash eyes in case of contact with eyes.
- Dispose empty bags in accordance with local rules and regulations.

#### DECLARATION

All the information provided in this document is based on data established in the laboratory and field. It is the duty of the end user to confirm the performance under his/her circumstances.

### **TECHNICAL SUPPORT**

UltraFine is a highly efficient mineral additive and to achieve the best results proper proportioning of binder and other pozzolans is very important. Physical properties of cement and other pozzolana needs to be taken into account while designing the mixes. UltraFine technical support team can be reached out for assistance if required.

### PACKAGING

Ultrafine is available in 25 kg bags. Other packing sizes are available on request.



#### **TEST CERTIFICATE**

Mfg. Month : December Date of Testing 9-Jan	-21
Requirement as per IS 16715:2018 & El	L Pachpadra
Sr. No Test Results Amd 1:2019 s	specfication
Chemical Analysis	
1 Mangnese Oxide (MnO) % by mass 0.49 5.5, max	-
2 MagnesiumOxide (MgO) % by mass 8.43 17.0, max	-
3 Sulphide Sulphur (S) % by mass 0.68 2.0, max	-
4 Sulpahte (SO <sub>3</sub> ) % by mass 0.18 3.0, max	-
5 Insoluble residue % by mass 0.25 3.0, max	-
6 Chloride Content (Cl) % by mass 0.01 0.1, max	-
7 Loss on Ignition % by mass 0.26 3.0, max	-
$\frac{\text{CaO} + \text{MgO} + 1/2 \text{ Al}_2\text{O}_3}{1.05}$	
SiO <sub>2</sub> + 2/3 Al <sub>2</sub> O <sub>3</sub>	-
$\frac{\text{CaO} + \text{MgO} + \text{Al}_2\text{O}_3}{1.76}$	
SiO <sub>2</sub>	-
10         Glass Content %         98.90         85 min	-
11         Moisture Content % by mass         0.05         1.0, max	-
12 CaO % by mass 34.36	30, min
13 SiO <sub>2</sub> % by mass 34.49	30, min
Physical Analysis	
Particle Size µm	
14 D50 4.76 5, max	6, max
D95 9.81 15, max	11, max
15 Fineness, m <sup>2</sup> /kg (BET method) 2890 1500, min	1600, min
Slag Activity Index %	
16 7 days 95.38 85	-
28 days 117.87 100	-

Test Method: IS: 16715:2018 (Clause 5.3) (Annex C)/Calibrated Microscope, IS 4032-2010, IS 3535-1986 (RA-2004) IS: 11578. IS: 4031 (Part-8) & Particle size using laser diffraction PSD analyzer, Glass content as per third party report

\*UT- Under testing

Note- Above report is for a representative sample. Any alteration or modofication will invaldate the report. UltraFine<sup>™</sup> is a proprietory product

Alemore

(Authorised Signatory)

Ultrafine Minerals and admixtures Pvt. Ltd. 76/1, Dongargaon, Wardha Road, Nagpur, Maharashtra, India 441108 email- sales@ultrafine.in website- www.ultrafine.in Contact- +919920256789



Centre for Cement Research & Independent Testing National Council for Cement and Building Materials राष्ट्रीय शीमेंट एवं भवन शामगी परिषद् (Under the Administrative Control of Ministry of Commerce & Industry, Govt, of India) 34 Km Stone, Delhi-Mathura Road (NH-2), Ballabgerh - 121 004, Haryane, India

शीमंट अनुसंधान और रवतंत्र परीक्षण केन्द्र (जारत सरकार के वर्तणान्य एवं उसीन संत्रालय के प्रसारतिकत भारतवांधीन) 34 In M. 2004, 12ml ange ne (10 111 - 2), amang 121004, channe, mit

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### स्पीड पोस्ट

संधर्भ : सी.आर.टी./आई.एन.टी.

दिनांक : 21 दिसम्बर, 2020

सेवा में

श्री सीमरंजीत सिंह अल्ट्राफ़ाइन मिनरल्स एवं एडमिक्सचर प्राइवेट लिमिटेड प्लॉट न. 76/1, मौज़ा डोंगरगाँव वर्धा रोड नागपुर - 441108

विषय : टेस्टिंग ऑफ अल्ट्राफ़ाइन जीजीबीएफ़ स्लेग & ओपीसी-43ग्रेड

संदर्भ : पत्र सं. टेस्ट रेकुएस्ट लेटर दिनांक निल

महोदय,

उपर्युक्त विषय पर आपके उल्लिखित संदर्भाधीन पत्र में अपेक्षित सूचना इस पत्र के साथ संलग्न की जाती है।

संलग्न : यथोक्त

भवदीय

डॉ. देवेन्द्र यादव संयुक्त निदेशक (सीमेन्ट अनुसंधान एवं स्वतंत्र परिक्षण केन्द्र)

### टेस्ट रिपोर्ट न. ITL/005670 से ITL/005673

Cements and Other Binders	Wastes Utilization	Refractories & Ceramics	Fundamental & Basic Research	Independent Testing
HYDER NCB Bhawan, Old Bor Hyderabad - 500 0 Tel. :+91-40-2 Fax :+91-40-23000343 ● E	ABAD UNIT nbay Road, Gachibowli, 08, Telangana, India 23180426/400 -mail: hyd2_ncbhyd@bsnl.ir	Oţ	AHMEDABAD I Smeet Bungalows, B/h Planet op. Shukan Shubh-Labh Apt., Off Ju Bodakdev, Ahmedabad - 380 0 Tel. : +91-79-26855840 • Fax : E-mail : brcncb@rediff	UNIT House-2 (PH-2), Jdges Bungalows Road, 54, Gujarat, India +91-79-40305841 mail.com



Centre for Cement Research & Independent Testing National Council for Cement and Building Materials (Under the Administrative Control of Ministry of Commerce & Industry, Govt. of India) 34 Km Stone, Delhi-Mathura Road (NH-2), Ballabgarh - 121 004, Haryana, India

सीमेंट अनुसंधान और स्वतंत्र परीक्षण केन्द्र राष्ट्रीय सीमेंट एवं भवन सामग्री परिषद् (भारत सरकार के बाणिज्य एवं उग्रोग मंत्रालय के प्रशासनिक शासनाधीन) 34 कि.मी. रदेव, दिल्ली-मथुरा रोड (एन.एच.-2), बल्लवजद-121004, हरियाणा, भारत

(ISO 9001 : 2015)

• दूरभाष / Phone : +91-129-4192237 (D), 4192222, 2242051 ● फ़ैक्स / Fax : +91-129-2242100 • ई-मेल / E-mail : crtb@ncbindia.com, ncbcrt2@gmail.com ● येव / Web : www.ncbindia.com

#### SPEED POST

Ref: CRT/INT 21 Dec, 2020

Sh Simranjeet Singh Ultrafine Minerals And Admixtures Pvt. Ltd. Plot No.76/1, Mouza, Dongargaon Wardha Road, Nagpur – 441108

#### Sub: Testing of Ultrafine GGBF Slag & OPC-43G

Dear Sir,

With reference to your Test Request Letter dated NIL, we are enclosing our final test reports on the above mentioned subject samples.

A customer feedback form is enclosed herein. Kindly submit your objective assessment of our services and suggestion if any.

Thanking you,

Yours faithfully for National Council for Cement and Building Materials

Dr. Devendra Yadav Joint Director Centre for Cement Research and Independent Testing

Test Report No: ITL/005670 to ITL/005673

Cements and Other Binders	Wastes Utilization	Refractories & Ceramics	Fundamental & Basic Research	Independent Testing
HYDER NCB Bhawan, Old Bo Hyderabad - 500 0 Tel. :+91-40- Fax :+91-40-23000343 ● E	RABAD UNIT Imbay Road, Gachibowli, 008, Telangana, India -23180426/400 E-mail: hyd2_ncbhyd@bsnl.in	C	AHMEDABAD Smeet Bungalows, B/h Planet Opp. Shukan Shubh-Labh Apt., Off Ju Bodakdev, Ahmedabad - 380 0 Tel. : +91-79-26855840 • Fax : E-mail : brcncb@rediff	UNIT House-2 (PH-2), Jdges Bungalows Road, 54, Gujarat, India : +91-79-40305841 mail.com



### राष्ट्रीय सीमेन्ट एवं भवन सामग्री परिषद् (भारत सरकार के वाणिज्य एवं उद्योग गंत्रालय के शारानाधीन)

NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS

(Under the Administrative Control of Ministry of Commerce & Industry, Government of India)

#### **TESTING LABORATORIES**

(NCB/TL/QM/TRF-1.1)

#### INDEPENDENT TESTING LABORATORIES

#### **TEST REPORT**

Customer Address	ULTRAFINE PLOT NO 76 NAGPUR-441	MINERALS AND ADMIXT /1, MOUZA, DONGARGAOI 108	T <b>URES PVT. LTD.</b> N, WARDHA ROAD,	No. : ITL/005670 Date : 09/12/2020
Reference	TEST REQUES	ST LETTER, DTD. NIL		
Sample	Said to be	UltraFine GGBF Slag		
Identification	ULTRAFINE G	GBS		
<b>Condition of Sample</b>	UnSealed with	h ID Tag		
Date of Receipt	19/10/2020		Laboratory Marl	<b>k -</b> ITLL1119/1/1
Period of Testing	03/11/2020 -	08/12/2020		
<b>Tested for Conformity to</b>	IS:16715:20	18	•	
Discipline	Mechanical Testing		Group Building	Materials

SI Test Name No		Test Method Test Result		Test Results		Lower Limit Upper Limit As Per IS:16715:2018		
<sup>1</sup> Slag Activity	Index	7 Days	IS:4031(Pt-8):1988	102	%		85	- 29 B
(% of contro cement mort	ol OPC43G (ar cube)	28 Days	IS:4031(Pt-8):1988	118	%		100	

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Conditions

1. Results given above refer only to the sample supplied.

2. The Report is being issued on the specific understanding that NCB will not in any way be

involved in any action following the Interpretation of the above results.

- 3. This report shall not be reproduced except in full without written approval from NCB.
- 4. Sample shall be retained for 90 days after reporting the results.
- 5. This report does not imply that the sample/material is appoved or endorsed by NCB or NABL

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Authorised Signatory Centre for Cement Research and Independent Testing

Dr D

Yadav

34 KM Stone, Delhi-Mathura Road (NH-2), Ballabgarh - 121 004 (Haryana) INDIA



## राष्ट्रीय सीमेन्ट एवं भवन सामग्री परिषद् (भारत सरकार के वाणिज्य एवं उद्योग मंत्रालय के शासनाधीन)

NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS

(Under the Administrative Control of Ministry of Commerce & Industry, Government of India)

## TESTING LABORATORIES

(NCB/TL/QM/TRF-1.1)

## INDEPENDENT TESTING LABORATORIES TEST REPORT

Customer Address	ULTRAFINE PLOT NO 76 NAGPUR-441	MINERALS AND ADMIXT	URES PVT. LTE N, WARDHA ROA	D. No. D, Dat	e : 09/12/2020
Reference	TEST REQUES	ST LETTER, DID. NIL			
Sample	Said to be	UltraFine GGBF Slag			
Identification	ULTRAFINE G	GBS			
Condition of Sample	UnSealed with	h ID Tag	u 18 - 18 - 1		111119/2/1
Date of Receipt	19/10/2020		Laboratory	Mark -	
Period of Testing	03/11/2020 -	13/11/2020			
Tested for Conformity to	15:16715:20	18	•		data
Discipline	Chemical Testing		Group Build	ding Mate	enais

SI	Test Name	Test Method	Test Results		Lower Limit As Per	Upper Limit IS:16715:2018
No		10-1671E-2018 Any-B	0.05	% by mass		1.0
1	Moisture Content	15:10/15:2010 Anx-0	0.00	No by mass		3.0
2	Loss on Ignition	IS 4032:1985	0.03	40 by mass		1200 C
3	Silica	IS 4032:1985	35.00	% by mass		
4	Alumina	IS 4032:1985	18.20	% by mass		-
5	Calcium Oxide	IS 4032:1985	35.61	% by mass		
6	Magnesium Oxide	IS 4032:1985	6.92	% by mass	-	17.0
7	Sulphate(as SO3)	IS 4032:1985	0.24	% by mass		3.0
8	Insoluble Residue	IS 4032:1985	0.47	% by mass		3.0
0	Chloride	IS 4032:1985	0.022	% by mass		0.1
10	Sulphur as Sulphide	IS 4032:1985	0.22	% by mass		2.0
11	Manganese Oxide	IS 4032:1985	0.88	% by mass		5.5
12	CaO+MgO+0.33Al2O3/ SiO2+0.67Al2O3	Calculated	1.03		1.0	-
13	CaO+MgO+Al2O3/SiO2	Calculated	1.74		1.0	-
14	Glass Content	IS:16715:2018 Anx-C	93	%	85	
2.	************	****** END OF THE TEST REPORT ************************************				

#### Conditions

- 1. Results given above refer only to the sample supplied.
- 2. The Report is being issued on the specific understanding that NCB will not in any way be
- involved in any action following the interpretation of the above results.
- 3. This report shall not be reproduced except in full without written approval from NCB.
- 4. Sample shall be retained for 90 days after reporting the results.

5. This report does not imply that the sample/material is appoved or endorsed by NCB or NABL

Scientist/s

Dr D Yadav Authorised Signatory Centre for Cement Research and Independent Testing

Page 1 of 1

34 KM Stone, Delhi-Mathura Road (NH-2), Ballabgarh - 121 004 (Haryana) INDIA

Ref: BVIPL:GGBS: BL/1745/10/2020/1/A Test Order dated: 20.10.2020





Date: 14.12.2020 NABL Accredited Lab ULR-TC60062000001585& per ISO/IEC: 17025

Ultrafine Mineral & Admixtures Pvt. Ltd. Plot no. 76/1, Mouza, Dongargaon, Wardha Road, Nagpur, Pin – 441108, Maharashtra, India

CHEMICAL TESTING Building Materials

## CHEMICAL TEST REPORT ON ULTRAFINE

#### GROUND GRANULATED BLAST FURNACE SLAG SAMPLE

Source of sample	:	Sample supplied by the customer
Customer's reference	:	Letter dated 17.10.2020 & Email dated 09.11.2020 & 11.12.2020
UIN	:	20024061
Sample Name #	:	Ultrafine GGBS
Brand #	:	Ultrafine
Period of Test	:	27.10.2020 to 04.11.2020
Condition of sample	:	Satisfactory
Test Method	:	IS:12089-1987 (Reaffirmed 2013)
		IS: 4032 - 1985 (Reaffirmed 2014)

Test Conducted	Results	Requirements as per IS:16715 -2018
Manganese Oxide (MnO) (%)	0.24	Maximum 5.5
Magnesium Oxide (MgO) (%)	8.28	Maximum 17.0
Sulphide Sulphur (S) (%)	0.50	Maximum 2.0
Sulphate (as SO <sub>3</sub> )	0.10	Maximum 3.0
Insoluble residue (Max.) (%)	0.16	Maximum 3.0
Chloride Content	0.004	Maximum 0.1
Loss on Ignition	0.15	Maximum 3.0
$\frac{\text{CaO} + \text{MgO} + 1/3 \text{ .Al}_2\text{O}_3}{\text{SiO}_2 + 2/3 \text{ Al}_2\text{O}_3}$	1.10	Minimum 1.0
$\frac{\text{CaO} + \text{MgO} + \text{Al}_2\text{O}_3}{\text{SiO}_2}$	1.83	Minimum 1.0
Glass Content (%)	98.9	Minimum 85.0

# As furnished by the customer

#### This report supersedes the earlier report of ULR-TC600620000012966F dated 09.11.2020

Note: 1. The results relate only to the items tested.

- 2. Report shall not be reproduced except in full, without the written approval of the lab.
- 3. Any corrections invalidate this report.

#### for BUREAU VERITAS (INDIA) PRIVATE LIMITED Construction Services Laboratory

12/2020 AGWAN. S. Senior Chemist

Bureau Veritas (India) Private Limited (Construction Services Laboratory) 43, 45-47, Pete Chennappa Inds. Estate, 1st Main Magadi Road, Kamakshipalya, Bangalore - 560 079 Tel.: +91 80 23011800 Fax: +91 80 26716833 bangalore.lab@in.bureauveritas.com \*\*\*\*\*

Regd. Off. : 72 Business Park, Ground Floor Marol Industrial Area, MIDC, Cross Road 'C' Andheri (East), Mumbai - 400 093. IND1A Tel.: +91 22 62742000 Fax: +91 22 62742008 www.bureauveritas.co.in CIN: U74210MH2001PTC134262 Offices/Labs at: Ahmedabad, Baroda Bhopal, Chennai, Cochin, Coimbatore Delhi, Goa, Hubli, Hyderabad, Indore Jaipur, Kakinada, Kandla, Kolkata, Ludhiana Mangalore, Nagpur, Nashik, Pune, Raipur Surat, Trichy & Visakhapatnani





NABL Accredited Lab as per ISO/IEC: 17025

Ref: BVIPL:GGBS: BL/1745/10/2020/2/A Test Order dated: 20.10.2020 Date:14.12.2020 ULR-TC600620000015202F

#### MECHANICAL TESTING

**Building Materials** 

Ultrafine Mineral & Admixtures Pvt. Ltd. Plot no. 76/1, Mouza, Dongargaon, Wardha Road, Nagpur, Pin – 441108, Maharashtra, India

#### FINAL PHYSICAL TEST REPORT ON ULTRAFINE GROUND GRANULATED BLAST FURNACE SLAG SAMPLE

Source of sample	:	Sample supplied by the customer
Customer's reference	:	Letter dated 17.10.2020 & Email dated 09.11.2020 & 11.12.2020
UIN	:	20024061
Sample Name #	:	Ultrafine GGBS
Brand #	:	Ultrafine
Period of Test	:	30.10.2020 to 28.11.2020
Condition of sample	:	Satisfactory
Test Method	:	IS: 1727-1967 (Reaffirmed in 2018) & IS: 4031 (Part 8) - 2019

Sl. No.	Test Conducted	Results	Requirement as per IS: 16715-2018 Amendment No. 1 : 2019
1	Specific Gravity	2.86	Not Specified
2	Slag Activity Index as percent of control sample 7 days 28 days	90.0 107	Not less than 85 percent Not less than 100 percent

# As furnished by the customer

#### This report supersedes the earlier report of ULR-TC600620000013115F dated 09.11.2020

Note: 1. The results relate only to the items tested.

2. Report shall not be reproduced except in full, without the written approval of the lab.

3. Any corrections invalidate this report.

#### for BUREAU VERITAS (INDIA) PRIVATE LIMITED

**Construction Services Laboratory** 

## Pravcen Nayak. 5 15/12/2020 PRAVEEN NAYAK S Senior Engineer

Bureau Veritas (India) Private Limited (Construction Services Laboratory) 43, 45-47, Pete Chennappa Inds. Estate, 1st Main Magadi Road, Kamakshipalya, Bangalore - 560 079 Tel.: +91 80 23011800 Fax: +91 80 26716833 bangalore.lab@in.bureauveritas.com Regd. Off. : 72 Business Park, Ground Floor Marol Industrial Area, MIDC, Cross Road 'C' Andheri (East), Mumbai - 400 093. INDIA Tel.: +91 22 62742000 Fax: +91 22 62742008 www.bureauveritas.co.in CIN: U74210MH2001PTC134262

\*\*\*\*\*\*

Offices/Labs at: Ahmedabad, Baroda Bhopal, Chennai, Cochin, Coimbatore Delhi, Goa, Hubli, Hyderabad, Indore Jaipur, Kakinada, Kandla, Kolkata, Ludhiana Mangalore, Nagpur, Nashik, Pune, Raipur Surat, Trichy & Visakhapatnam



Ref: BVIPL:GGBS: BL/1745/10/2020/3 Test Order dated: 20.10.2020

Date: 07.01.2021

Ultrafine Mineral & Admixtures Pvt. Ltd. Plot no. 76/1, Mouza, Dongargaon, Wardha Road, Nagpur, Pin – 441108, Maharashtra, India

#### CHEMICAL TEST REPORT ON ULTRAFINE

#### GROUND GRANULATED BLAST FURNACE SLAG SAMPLE

Source of sample	:	Sample supplied by the customer
Customer's reference	:	Letter dated 17.10.2020 & Email dated 09.11.2020, 11.12.2020
		& 07.01.2021
UIN	:	20024061
Sample Name #	2	Ultrafine GGBS
Brand #	:	Ultrafine
Period of Test	5	27.10.2020 to 04.11.2020
Condition of sample	:	Satisfactory
Test Method	:	IS: 4032 - 1985 (Reaffirmed 2014)

Test Conducted	Results
Silica (SiO <sub>2</sub> ) (%)	34.42
Calcium Oxide (CaO) (%)	36.73

# As furnished by the customer

Note: 1. The results relate only to the items tested.

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- 3. Any corrections invalidate this report.

#### for BUREAU VERITAS (INDIA) PRIVATE LIMITED Construction Services Laboratory

[01/2021

BHAGWAN. S. Senior Chemist \*\*\*\*\*

Bureau Veritas (India) Private Limited (Construction Services Laboratory) 43, 45-47, Pete Chennappa Inds. Estate, 1st Main Magadi Road, Kamakshipalya, Bangalore - 560 079 Tel.: +91 80 23011800 Fax: +91 80 26716833 bangalore.lab@in.bureauveritas.com Regd. Off. : 72 Business Park, Ground Floor Marol Industrial Area, MIDC, Cross Road 'C' Andheri (East), Mumbai - 400 093. INDIA Tel.: +91 22 62742000 Fax: +91 22 62742008 www.bureauveritas.co.in CIN: U74210MH2001PTC134262 Offices/Labs at: Ahmedabad, Baroda Bhopal, Chennai, Cochin, Coimbatore Delhi, Goa, Hubli, Hyderabad, Indore Jaipur, Kakinada, Kandla, Kolkata, Ludhiana Mangalore, Nagpur, Nashik, Pune, Raipur Surat, Trichy & Visakhapatnam



**Test Report Issued To:** M200928002/M200928002-10 **Test Report No:** ULTRAFINE MINERALS AND ADMIXTURES PVT. Date of Issue: 27-Oct-2020 LTD PLOT NO. 76/1, MOUZA: DONGARGAON, , WARDHA ROAD, NAGPUR, MAHARASHTRA, INDIA, 441108, Sample Receipt Date: 28-Sep-2020 28-Sep-2020 Date of Start of Testing: Date of Completion of Test: 27-Oct-2020 **Customer Relationship Number** 61354 **Sample Description :** ID - CMG0011 **Customer Reference No** MAIL DT: 28/09/2020 MR. SIMRANJEET SINGH Kind Attention : GOOD **Sample Condition :** Sample Quantity (Approx) : Sample Size (Approx) : SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED

**Report Issued By** 

Authencity of report can be verified by mail at 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 || Email:ratan@spectro.in

ISO 9001:2008 Certified Laboratory

Please refer to our Website http://www.spectro.in/spectro-policies.html for Terms & Condition



Page 2 of 4 Report No M200928002/M200928002-10

#### ID- M200928002-1

SR.	Test	Results	Requirements As per IS	Test Method	Conformity
No.			16715 - 2018		
Chen	nical Analysis		1		
1	Manganese Oxide (as MnO),% by mass	0.35	5.5 Max	IS:4032:1985(RA:2019) Clause.6.10	Yes
2	Magnesium Oxide (as MgO),% by mass	6.11	17.0 Max	IS: 4032:1985(RA:2019) Clause.4.8.1	Yes
3	Insoluble Residue, % by mass	0.22	3.0 Max	IS: 4032:1985(RA:2019) Clause.4.10	Yes
4	(CaO+MgO+1/3 Al <sub>2</sub> O <sub>3</sub> ) SiO <sub>2</sub> +2/3 Al <sub>2</sub> O <sub>3</sub>	1.08	1.0 Min	IS:4032:1985(RA:2019)	Yes
5	(CaO+MgO+ Al <sub>2</sub> O <sub>3</sub> ) SiO <sub>2</sub>	1.83	1.0 Min	IS:4032:1985(RA:2019)	Yes
6	Chloride (as Cl), % by mass	0.016	0.1 Max	IS: 4032:1985(RA:2019) Clause.4.13 Amnd.2 (2010)	Yes
7	Moisture content, % by mass	0.20	1.0 Max.	IS :16715 (ANNEX-B)	Yes
8	Sulphide Sulphur(as S), % by mass	0.39	2.0 Max	IS:4032:1985(RA:2019) Clause.6.12	Yes
9	Sulphate (as SO <sub>3</sub> ), % by mass	0.31	3.0 Max	IS:4032:1985(RA:2019) Clause.4.9	Yes
10	Loss on Ignition, % by mass	0.30	3.0 Max	IS:4032:1985(RA:2019) Clause.4.2	Yes
11	Glass Content, % by mass	86.47	85.0 Min	IS-16715 (ANNEX-C)	Yes
12	Calcium Oxide (as CaO), % by mass	36.09		IS:4032:1985(RA:2019) Clause.4.7.1	
13	Silica ( as SiO <sub>2</sub> ), % by mass	32.84		IS:4032:1985(RA:2019) Clause 4.3	
14	Alumina ( as Al <sub>2</sub> O <sub>3</sub> ), % by mass	17.90		IS:4032:1985(RA:2019) Clause.4.6.1	

Shumale

Analyst Signature



Authorised Signatory

Spectro SSA Labs Pvt. Ltd, R-489, Rabale, MIDC,Navi Mumbai-400701(India) Phone :022 25893335 || Web: www.spectrossa.com|| Email: ratan@spectro.in ISO 9001:2008 Certified Laboratory



Page 3 of 4

Report No M200928002/M200928002-10

ID- M200928002-1

Particle RI:	1.520	Absorption:	0.100	Obscuration:	3.36%
Dispersant Name:	Dry	Dispersant RI:	1.00	Weighted Residual:	2.776%
					1



Size (µm)	Vol Under %	Size (um)	Vol Under %]	Size (um)	Vol Under %						
0.010	0.00	0.105	0.00	1.096	11.43	11.482	98.54	120.226	100.00	1258 925	100.00
0.011	0.00	0.120	0.00	1.259	13.07	13.183	99.94	138.038	100.00	1445.440	100.00
0.013	0.00	0.138	0.00	1.445	15.09	15.136	100.00	158.489	100.00	1659.587	100.00
0.015	0.00	0.158	0.00	1.660	17.63	17.378	100.00	181.970	100.00	1905.461	100.00
0.017	0.00	0.182	0.00	1.905	20.84	19.953	100.00	208.930	100.00	2187.762	100.00
0.020	0.00	0.209	0.06	2.188	24.86	22.909	100.00	239.883	100.00	2511.886	100.00
0.023	0.00	0.240	0.27	2.512	29.78	26.303	100.00	275.423	100.00	2884 032	100.00
0.026	0.00	0.275	0.62	2.884	35.62	30,200	100.00	316.228	100.00	3311,311	100.00
0.030	0.00	0.316	1.13	3.311	42.31	34.674	100.00	363.078	100.00	3801.894	100.00
0.035	0.00	0.363	1.82	3.802	49.73	39.811	100.00	416.869	100.00	4365 158	100.00
0.040	0.00	0.417	2.73	4.365	57.61	45.709	100.00	478.630	100.00	5011.872	100.00
0.046	0.00	0.479	3.80	5.012	65.65	52.481	100.00	549.541	100.00	5754 399	100,00
0.052	0.00	0.550	4.97	5.754	73.48	60.256	100.00	630.957	100.00	6606 934	100.00
0.060	0.00	0.631	6.20	6.607	80.71	69.183	100.00	724.436	100.00	7585 776	100,00
0.069	0.00	0.724	7.44	7.586	87.02	79.433	100.00	831 764	100.00	8709.696	100.00
0.079	0.00	0.832	8.70	8.710	92.16	91,201	100.00	954 993	100.00	1000000	100.00
0.091	0.00	0.955	10.00	10.000	96.00	104.713	100.00	1096.478	100.00	1000000	100.00





Authorised Signatory

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

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Page 4 of 4

Report No M200928002/M200928002-10

ID- M200928002-1

	Test	Results	Requirements	Conformity
Sr.			As per IS 16715– 2018	
No.				
Phys	ical Analysis			
1	Fineness, m <sup>2</sup> /kg (BET Method)	2890	1500 Min.	Yes
2	Particle Size, μm			
	a) D <sub>50</sub>	3.82	5 Max.	Yes
	b) D <sub>95</sub>	9.60	15 Max.	Yes
3	Slag activity index, %			
	a) 7Days	88.7	85 Min.	Yes
	b) 28 Days	112.5	100 Min.	Yes

Test Method : IS:11578:1986, Laser Diffraction PSD Analyzer & IS:4031 (Part 8).





Authorised Signatory

Spectro SSA Labs Pvt. Ltd, R-489, Rabale, MIDC,Navi Mumbai-400701(India) Phone :022 25893335 || Web: www.spectrossa.com|| Email: ratan@spectro.in

-- End of Test Report --

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## **CENTRAL LAB PRISM JOHNSON LIMITED** RMC (India) Division

C/o. Indo Nippon Chemicals Pvt. Ltd.,CST No. 177, Zone 13,



Off LBS Marg, Ghatkopar (W), Mumbai - 400 086.

### CONCRETE COMPRESSIVE STRENGTH REPORT

DATE 11/12/2020

Test Report No.	-	RMC/CSR/123/2020-2021
Material Identification	-	RMC/CSR/123/20-21
Name & Address of Customer	-	Ultrafine Mineral and Admixtures Pvt. Ltd., Nagpur
Date of Sample casting	-	10/11/2020
Date of Sample Testing	-	17/11/2020
Grade of Concrete	-	M80
Condition of sample on receipt	-	ОК
Test Method	-	IS 516

#### CONCRETE COMPRESSIVE STRENGTH TEST RESULTS

Sr.	ID Mark of	Age of	Dimensio	on of Specimen	i, (mm)	Mass in Air,	Density	Maximum	Compressive
No.	specimen	(Days)	Height	Length	Width	KG	(Kg/m³)	Load, (KN)	Strength, (N/mm <sup>2</sup> )
1	TM 278	7	150	150	150	8.394	2470	1810.3	80.5
2	TM 278	7	150	150	150	8.373	2471	1708.0	75.9
3	TM 278	7	150	150	150	8.391	2473	1829.8	81.3
							A	verage Value	79.2

#### Remarks:-

1) As per IS 456:2000 (Reaff:2011) Clause No 15.4, the individual variation should not more than + 15% of the average. If more, the test results of the sample are invalid.

2) Acceptance criteria of compressive strength is given in IS 456:2000 (Reaff :2011) in clause No. 16.1

#### Note :-

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2. Any correction invalidates this report.

for Central Lab, Prism Johnson Limited-RMC (India)Division

Mrs. Devi Yadav Technical Manager PRISM JOHNSON L 'MITED (FORMERLY PRISM CEMENT LIMITED) RMC (India) Division Ghatkopar (W), Mumbai - 400 086.



## **CENTRAL LAB PRISM JOHNSON LIMITED** RMC (India) Division

C/o. Indo Nippon Chemicals Pvt. Ltd.,CST No. 177, Zone 13,



Off LBS Marg, Ghatkopar (W), Mumbai - 400 086.

### CONCRETE COMPRESSIVE STRENGTH REPORT

DATE 11/12/2020

Test Report No.	-	RMC/CSR/124/2020-2021
Material Identification	-	RMC/CSR/124/20-21
Name & Address of Customer	-	Ultrafine Mineral and Admixtures Pvt. Ltd., Nagpur
Date of Sample casting	-	10/11/2020
Date of Sample Testing	-	8/12/2020
Grade of Concrete	-	M80
Condition of sample on receipt	-	ОК
Test Method	-	IS 516

#### CONCRETE COMPRESSIVE STRENGTH TEST RESULTS

Sr.	ID Mark of	Age of	Dimensio	on of Specimen	i, (mm)	Mass in Air,	Mass in Air, Density		Mass in Air, Density Maximur		Compressive
No.	specimen	(Days)	Height	Length	Width	KG	(Kg/m³)	Load, (KN)	Strength, (N/mm <sup>2</sup> )		
1	TM 278	28	150	150	150	8.446	2495	2305.8	102.5		
2	TM 278	28	150	150	150	8.348	2472	2375.0	105.6		
3	TM 278	28	150	150	150	8.410	2491	2159.4	96.0		
							A	verage Value	101.3		

#### Remarks:-

1) As per IS 456:2000 (Reaff:2011) Clause No 15.4, the individual variation should not more than + 15% of the average. If more, the test results of the sample are invalid.

2) Acceptance criteria of compressive strength is given in IS 456:2000 (Reaff :2011) in clause No. 16.1

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for Central Lab, Price Johnson Limited-RMC (India)Division

Mrs. Devi Yadav Technical Manager PRISM JOHNSON L 'MITED (FORMERLY PRISM CEMENT LIMITED) RMC (India) Division Ghatkopar (W), Mumbai - 400 086.

.



## **CENTRAL LAB PRISM JOHNSON LIMITED** RMC (India) Division



C/o. Indo Nippon Chemicals Pvt. Ltd.,CST No. 177, Zone 13, Off LBS Marg, Ghatkopar (W), Mumbai - 400 086.

Pvt. Ltd.

**Test Report** 

## Water Permeability Test – DIN 1048 - Part 5

Date - 11-12-2020

Report No.	:	RMC/163/2020-21
Client Name	:	Ultrafine Mineral And Admixtures
Address	:	Nagpur
Material Identification No.	:	RMC/LAB/163/20-21
Sample Description	:	TM 278
Date of sample casting	:	10.11.2020
Date of sample testing	:	08.12.2020
Age of sample	:	28 DAYS
Sample Size, mm	:	150 X 150 X 150

Sr. No.	Sample ID	Grade	Water penetration Depth In mm
1	TM 278	M80	10.00
2	TM 278	M80	11.00
3	TM 278	M80	9.00
	Average highest penetration		10.00

Note : 1. The Results relate only to the samples tested.

- 2. Report shall not be reproduced, except in full, without the written approval of the lab.
- 3. Any correction invalidates this report.

for Prism Johnson Limited-RMC (India)Division

Mrs. Devi Yadav Technical Manager.





#### ACC LIMITED Concrete Technology Laboratory

 Doc.No.
 ACC/RND/F/R51

 Rev. No.
 0

 Date of Rev.
 01.06.2009

 PAGE
 1 OF 1

crete Technology Laboratory RMX-Nagpur

#### **TEST CERTIFICATE**

Name & Client Address : Ulrafine

(i) Identification mark : M30/44174/7days/Ulrafine

(ii) Description, if any : 150 mm x 150mm x 150mm Cubes

(iii) Name of test : Compressive Testing

(iv) Date of Casting : 09/12/2020 (MM/DD/YYYY)

(v) Grade & Age : M30/7days/

Test R	lesults (Physical)				
Sr. No.	Date Of Testing	Weight (Kg)	Load (kN)	Strength (Mpa)	Average Strength ( Mpa)
1		8.65	663.7	29.50	
2	16-Dec-20	8.68	546.9	24.31	27.41
3		8.98	639.7	28.43	

#### Remarks:

(i) This certificate refers only to the sample submitted for testing

(ii) Any correction invalidates this certificate.

(iii) This certificate may not be reproduced in part, without the permission of this laboratory.

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#### ACC LIMITED Concrete Technology Laboratory

RMX-Nagpur

Doc.No.	ACC/RND/F/R51
Rev. No.	0
Date of Rev.	01.06.2009
PAGE	1 OF 1

#### **TEST CERTIFICATE**

Name & Client Address : Ulrafine

(i) Identification mark : M30/44174/7days28days/Ulrafine

(ii) Description, if any : 150 mm x 150mm x 150mm Cubes

(iii) Name of test : Compressive Testing

(iv) Date of Casting : 09/12/2020 (MM/DD/YYYY)

(v) Grade & Age : M30/7days/28days

#### Test Results (Physical)

Sr. No.	Date Of Testing	Weight (Kg)	Load (kN)	Strength (Mpa)	Average Strength ( Mpa)
1		8.65	663.7	29.50	
2	16-Dec-20	8.68	546.9	24.31	27.41
3		8.98	639.7	28.43	
4		8.69	765.3	34.01	
5	6-Jan-21	8.76	824.2	36.63	35.16
6		8.73	784.1	34.85	

#### Remarks:

(i) This certificate refers only to the sample submitted for testing

(ii) Any correction invalidates this certificate.

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#### **ACC LIMITED** Concrete Technology Laboratory

RMX-Nagpur

Doc.No.	ACC/RND/F/R51
Rev. No.	0
Date of Rev.	01.06.2009
PAGE	1 OF 1

#### **TEST CERTIFICATE**

Name & Client Address : Ulrafine

(i) Identification mark : M30/44175/7days/Ulrafine

(ii) Description, if any : 150 mm x 150mm x 150mm Cubes

(iii) Name of test : Compressive Testing

(iv) Date of Casting : 10/12/2020 (MM/DD/YYYY)

(v) Grade & Age : M30/7days/

	-	1.			
Lest	Resu	Its I	(Ph	/sical	۱
1000	1000			Jucui	

Sr. No.	Date Of Testing	Weight (Kg)	Load (kN)	Strength (Mpa)	Average Strength ( Mpa)
1		8.74	624.2	27.74	
2	17-Dec-20	8.84	653.2	29.03	28.42
3		8.77	641.2	28.50	

#### **Remarks:**

- (i) This certificate refers only to the sample submitted for testing
- (ii) Any correction invalidates this certificate.
- (iii) This certificate may not be reproduced in part, without the permission of this laboratory.

Hanwat





PO Number: TNARMX/DEC - 20-21/178 Order Date: 15/12/2020

Vendor's Name & Address ULTRAFINE MINERAL & ADMIXTURES PVT. LTD. 76/1, Mouza, Dongargaon, Wardha Road Nagpur - 441108 Contact Person : Mr. Sushant More E-Mail ID: sushant.more@ultrafine.in Tel. / Mobile : 8291951138 GST No. : 27AACCU5797P1ZB Invoice Address TNA READYMIX (INDIA) PVT. LTD. Lodha Supremus II, Unit No. 532, 5th Floor, Road No. 22, Wagle Estate, THANE (W) – 400 604 Tel: 022 -25303405/ 25336306 GST No. : 27AAFCT3212M129 PAN No. : AAFCT3212M

Sr. No.	Particulars	Unit	Qty	Rate	Amouont
1	ULTRAFINE Microsilica	Kg	10000.00		
				GST 5%	
				GST 5%	

Other Terms and conditions

1) The above rates are including Transport

2) Payment Terms: 100% RTGS alongh with P.O.

3) Delivery: immediately

In case of rejection vender will lift the material at his cost.

5) All invoices shall be submitted at plant only.

6) Customer weighment shall be final

7) Vendor Should attch P.O. copy along with Invoice

Delivery at: TNA READYMIX (INDIA) PVT. LTD. C/o. Omkar Realtors, Western Express Highway, Near Kurar Police Station Shantaram Talao, Malad East Mumbai Contact Person: 1) Mr. Deepak - 7045948468

2) Enus Shaikh - 7977904009

Confirmed and Accepted by Supplier

TNA READYMIX (INDIA) PVT. LTD. Authorized Signatory

www.tnarmx.com

Lodha Supermus II, Unit No. 532, 5th Floor, Road No. 22, Near New Passport Office, Wagle Estate, Thane (W) 400604.

Tel. :022 49718506 / 07

@ support@tnarmx.com

Plant: MALAD

LET'S BUILD STRENGTH TOGETHER



PO Number: TNARMX/DEC - 20-21/179 Order Date: 15/12/2020

Vendor's Name & Address ULTRAFINE MINERAL & ADMIXTURES PVT. LTD. 76/1, Mouza, Dongargaon, Wardha Road Nagpur - 441108 Contact Person : Mr. Sushant More E-Mail ID: sushant.more@ultrafine.in Tel. / Mobile : 8291951138 GST No. : 27AACCU5797P1ZB Invoice Address TNA READYMIX (INDIA) PVT. LTD. Lodha Supremus II, Unit No. 532, 5th Floor, Road No. 22, Wagle Estate, THANE (W) – 400 604 Tel: 022 -25303405/ 25336306 GST No. : 27AAFCT3212M129 PAN No. : AAFCT3212M

Sr. No.	Particulars	Unit	Qty	Rate	Amouont
1	ULTRAFINE Microsilica	Kg	10000.00	: - F	)
				GST 5%	

Other Terms and conditions

1) The above rates are including Transport

2) Payment Terms : 100% RTGS alongh with P.O.

3) Delivery: immediately

4) In case of rejection vender will lift the material at his cost.

5) All invoices shall be submitted at plant only.

6) Customer weighment shall be final

7) Vendor Should attch P.O. copy along with Invoice

Delivery at: TNA READYMIX (INDIA) PVT. LTD. C/o. Lohitka Properties LLP MONTANA, Parking Building, Behind Vasant Oscar, LBS Road, Mulund W Mumbai

<u>Contact Person:</u> 1) Mr. Rajesh - 8169561314 2) Mr. Rahul - 9892981056

Confirmed and Accepted by Supplier

CHEMEXO SPECIALITY PRODUCTS Authorized Signatory

www.tnarmx.com

Lodha Supermus II, Unit No. 532, 5th Floor, Road No. 22, Near New Passport Office, Wagle Estate, Thane (W) 400604.

Tel. :022 49718506 / 07

@ support@tnarmx.com

LET'S BUILD STRENGTH TOGETHER

Plant: MULUND



PO Number: TNARMX/NOV - 20-21/169 Order Date: 30/11/2020

Plant: MULUND

Vendor's Name & Address ULTRAFINE MINERAL & ADMIXTURES PVT. LTD. 76/1, Mouza, Dongargaon, Wardha Road Nagpur - 441108 Contact Person : Mr. Sushant More E-Mail ID: sushant.more@ultrafine.in Tel. / Mobile : 8291951138 GST No. : 27AACCU5797P1ZB

Invoice Address TNA READYMIX (INDIA) PVT. LTD. Lodha Supremus II, Unit No. 532, 5th Floor, Road No. 22, Wagle Estate, THANE (W) – 400 604 Tel: 022 -25303405/ 25336306 GST No. : 27AAFCT3212M129 PAN No. : AAFCT3212M

Sr. No.	Particulars	Unit	Oty	Rate	Amount
1	ULTRAFINE Microsilica	Kg	20000.00		Amouont
				GST 5%	

#### Other Terms and conditions

1) The above rates are including Transport

2) Payment Terms : 100% RTGS alongh with P.O.

3) Delivery: immediately

4) In case of rejection vender will lift the material at his cost.

5) All invoices shall be submitted at plant only.

6) Customer weighment shall be final

7) Vendor Should attch P.O. copy along with Invoice

Delivery at: TNA READYMIX (INDIA) PVT. LTD. C/o. Lohitka Properties LLP MONTANA, Parking Building, Behind Vasant Oscar, LBS Road, Mulund W Mumbai

Contact Person: 1) Mr. Rajesh - 8169561314 2) Mr. Rahul - 9892981056

Confirmed and Accepted by Supplier

CHEMEXO SPECIALITY PRODUCTS Authorized Signatory

www.tnarmx.com

Lodha Supermus II, Unit No. 532, 5th Floor, Road No. 22, Near New Passport Office, Wagle Estate, Thane (W) 400604.

Tel. :022 49718506 / 07

@ support@tnarmx.com

LET'S BUILD STRENGTH TOGETHER

READYMIX (I) PVT. LTD.

PO Number: TNARMX/NOV - 20-21/163 Order Date: 18/11/2020

Vendor's Name & Address ULTRAFINE MINERAL & ADMIXTURES PVT. LTD. 76/1, Mouza, Dongargaon, Wardha Road Nagpur - 441108 Contact Person : Mr. Sushant More E-Mail ID: sushant.more@ultrafine.in Tel. / Mobile : 8291951138 GST No. : 27AACCU5797P1ZB Plant: MULUND

Invoice Address TNA READYMIX (INDIA) PVT. LTD. Lodha Supremus II, Unit No. 532, 5th Floor, Road No. 22, Wagle Estate, THANE (W) – 400 604 Tel: 022 -25303405/ 25336306 GST No. : 27AAFCT3212M129 PAN No. : AAFCT3212M

Sr. No.	Particulars	Unit	Qty	Rate	Amouont
1	ULTRAFINE Microsilica	Kg	10000.00		)
				GST 5%	<u>}</u>

Other Terms and conditions

1) The above rates are including Transport

2) Payment Terms : 100% RTGS alongh with P.O.

3) Delivery: immediately

In case of rejection vender will lift the material at his cost.

5) All invoices shall be submitted at plant only.

6) Customer weighment shall be final

7) Vendor Should attch P.O. copy along with Invoice

Delivery at: TNA READYMIX (INDIA) PVT. LTD. C/o. Lohitka Properties LLP MONTANA, Parking Building, Behind Vasant Oscar, LBS Road, Mulund W Mumbai

Contact Person: 1) Mr. Deepak - 7045948468 2) Mr. Rahul - 9892981056

Confirmed and Accepted by Supplier

CHEMEXO SPECIALITY PRODUCTS Authorized Signatory

www.tnarmx.com

♀ Lodha Supremus II, Unit No. 532, 5th Floor, Road No. 22, Wagle Estate, Thane (W) 400604.

Tel.: 022 49718506 / 07

@ support@tnarmx.com

LET'S BUILD STRENGTH TOGETHER



#### SKYWAY RMC PLANTS PVT. LTD.

217, Kartik Complex, Opp. Laxmi Ind. Estate, New Link Road, Andheri (West), Mumbai - 400 053. Tel.: +91-22-61232500 Fax: +91-22-61232567 E-mail: skyway rmc@skywaygroup.co.in CIN: U74990MH2009PTC191493

#### PURCHASE ORDER

#### Ref. No.: SRMC/RM/038-11/20-21

27<sup>th</sup> November 2020

To, M/S MAHESH TRADING COMPANY B-702, Times Square Andheri - Kurla Road, Marol, Andheri - East, Mumbai - 400 059

#### Subject: Supply of Ultrafine Kurla, Mahul, & Owala

This is with reference to your email quotation dated. 27.11.2020, we would like to place order for Ultrafine for Kurla, Mahul, & Owala

Sr. No	Description.	Quantity (MT)	Amount (Rs.) Per MT
01	Ultrafine	25 MT	

Note: - Please send 5MT to Kurla plant balance material to be send after our confirmation only

Terms & Condition:	
GST:	Extra (@5%)
Payment Terms:	60-90 days from the date of material supply.
Loading & Unloading:	In supplier's scope.
Delivery Address :	Skyway RMC Plants Pvt. Ltd(Kurla Plant) Sunderbaug near phoenix shopping mall, Nissan motor Service, near Kamani signal, Kurla Kamani.
Contact Person:	Mr. Sandeep – 9619875803

Note: Kindly mention our GST Number 27AAMCS9233Q1ZE in all your invoices.

**Thanking You** 

Yours Truly,

For Skyway RMG Plants Pvt. Ltd.



Authorised Signatory

For Skyway RMC Plants Pvt. Ltd.

Authorised Signatory

Purchase Order: 5000050606 Date 26.11.2020 PRISM JOH RMC (In endor Code i 10002035 Mahesh Trading Company				HNSON (India) Di	ndia) Division			
				Deliver	Complete Concrete Solutions			
ddress : Times Square, Ambrei Karla Ro ; Opp. Mittal Industrial Estate, ; Mumbai-400059		Ro	Ghatkopar-1-Comm. Concrete					
STIN : 27 AAAFM1770F1ZJ State : 27 - Mahamshtm 'AN : AAAFM1770F 'DNTACT NO : Atul.				GSTIN		i GHATKOPAR (W), : Mumbai-400086 : 27AAACP6221A IZX : 77 - Mahamahra		
msil 10 Iobile Number	e - NIMISH ainddengan +9657418749	Princindiaceom	]	Dur Re Your R	sterence			
HSN/SAC	MaterialCode/D	escription U		beavery thedule	Qty	Rate/Unit (NR)	Gross Amount (INR)	
2621	1000000194 Ultra Fine Fly Ash		ਦੀ 11	.12.2020	25,000			
s	SGST @ 9.00 % CGST @ 9.00 %						E.	
						Assessable Value: SGST: CGST: IGST:		
non-Mason crutes of Payment	Payable in 36	Days				Total value!	t	
from Histor former of Payment	Payable in 30	Days				Total value!		
Regd office This is	e : 305, Laxmi N s an SAP generat	Days livus Apartune ed / authenzict N	nts, Ameer ated docum o Physical	pet, Hydena ent which a signature is	ppoves our I required.	, CIN : L26942TG19 Purchase of Material o	D2PLC014033 r Service.	

TERMS AND CONDITIONS OF PURCHASE ORDER

 Unless otherwise specifically stated to the contrary, this Purchase Order will be governed by the standard Terms and Coadition of Purchase Order.

Delivery: Delivery is the essence of the Order. Your failure to effect supplies or part there of as per delivery period will compel us to amange procurement from alternate source for which the liabilities rest on you.

3. Dispatch: All consignments to be addressed to the contact person as mentioned in the Purchase Order. The material despatched shall be accompanied by documents prescribed under GST Acts, giving our Purchase Order number. Please mention the Purchase Order number on all your invoices, challans and other correspondences with us.

4. Price: The price is fixed for the period of delivery stated on the purchase order and in case the same is not mentioned on the Purchase Order, then for a period of one month from the date of purchase order. The price is as specified on the purchase order and is inclusive of Transpurtation charges unless otherwise specified.

5 Quality and Quantity. In the absence of specification of sample, the cools must be of the best of their respective kinds and subject to



Ret



QUE CONMIX

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Please 3	upply the materia	1.0014	Quantity	Rate per	Antestit
S.No	Description	UOM	Quantity		
1	Ultrafine Microsillica	Kgs	2000		
		1		Total Amount	

Rupess :

## Tearms & Condition :

1 )The above Rate is Inclusive taxes

2)Payment : Days from date of invoice

3) Kindly arrange and supply as soon as possible

4) Quality issues returning will be taken care by your side

or Whique Conm

Mob :9071725551

9071725552 9071725553

Sy No. 24, Bhaktharahalli Village, Nadavatti Post, Kasaba Hobli, Hoskote Taluk, Bangalore - 560 068. Email : uniqueconmix2017@gmail.com





Date : Ref: **Purchase Order** UNIQUE CONMIX PARTY DETAILS SUPPLIER NAME & ADDRESS 29AAFFU2496K1ZI GSTN ID Ultrafine Minerals & Admixtures Pvt Ltd, UCM / 20 - 21 / 001 Purchase order No 76/1, Mouza , Dongargaon 03-12-20 Date Wardha Road, UCM / 20 - 21 / 001 OFFER LETTER NO nagpur - 441108 BILLING ADDRESS : UNIQUE CONMIX Sy.No - 24, Bhaktharahalli Village Nadavatti Post , Kasaba Hobli Hoskote T.K , Bangalore - 560068 GST NO: 27AACCU579P1ZB **DELIVER ADDRESS**: UNIQUE CONMIX Sy.No - 24, Bhaktharahalli Village Nadavatti Post , Kasaba Hobli Hoskote T.K , Bangalore - 560068 : Mr.Senthil / Nagaraj CONTACT PERSON : 9071725551 , 9071725552 Phone No 9071725553, 9071725554 Please Supply the material in accordance with the terms and condition metioned below : Amount Quantity Rate per Kgs UOM Description S.No 2000 Kgs Ultrafine microsilica 1 Total Amount V Rupess :

"Blend with Confidence, Serve with Care"

#### Tearms & Condition :

1) The above Rate is Inclusive of All taxes

2)Payment : Credit Period 60 Days

3) Kindly arrange and supply as soon as possible

4) Quality issues returning will be taken care by your side

For Unique

Sy No. 24, Bhaktharahalli Village, Nadavatti Post, Kasaba Hobli, Hoskote Taluk, Bangalore - 560 068. Email : uniqueconmix2017@gmail.com



SUPPLIER NAME & ADDRESS			PARTYS DETAILS REINVENT MIX CONCRETE				
Ultrafine I	Vinerals & Admixtures Pvt	Ltd	GST ID	29AAAZFR6357E1ZE			
76/1,	Mouza, Dongargaon		Purchase order no	RMC/19-20/104			
Wardha R	oad		Date	03-12-2020			
Nagpur - 4	441108.			Offer letter no	fer letter no RMC / 19 - 20 / 104		
				BILLING ADDRESS:			
GST NO:	27AACCU579P1ZB			REINVENT MIX CONCRETE			
				Sy -87/1 Kumbalgodu Industrial Area Phase-2 Subbarayappapura Kenageri Hobli Bangalore -560074			
				DELIVERY ADDRESS:			
				REINVENT	MIX CONCRETE		
		(A.		Sy -87/1 K Subbaraya Bangalore	umbalgodu Indust ppapura Kenageri -560074	rial Area Phase-2 Hobli	
				Contact Person :	Mr.Senthil		
				Contact no :	9886390690		
Please Sup	ply The Material In Accorda	ince with the	terms an	d conditions mentione	d below:		
SI no	Description	Item code	UOM	Quantity KGs	Rate/KG	Amount	
1	Ultrafine Microsilica	-	KGS	2000			
				Total Amount			
Amount in	words: I	,					

#### Terma & Conditions:

1) The above rate is Inclusive of taxes

- 2) Payment : credit period 60 days
- 3) Kindly arrange and supply as soon as possible
- 4) Quality issues returning will be taken care by your side

For REINVENT MIX CONCRETE

No: 87/1, Kumbalgodu Industrial Area, Phase II, Subbarayppapura Road, Kengeri Hobli, Bangalore - 560074. reinventmixconcrete@gmail.com