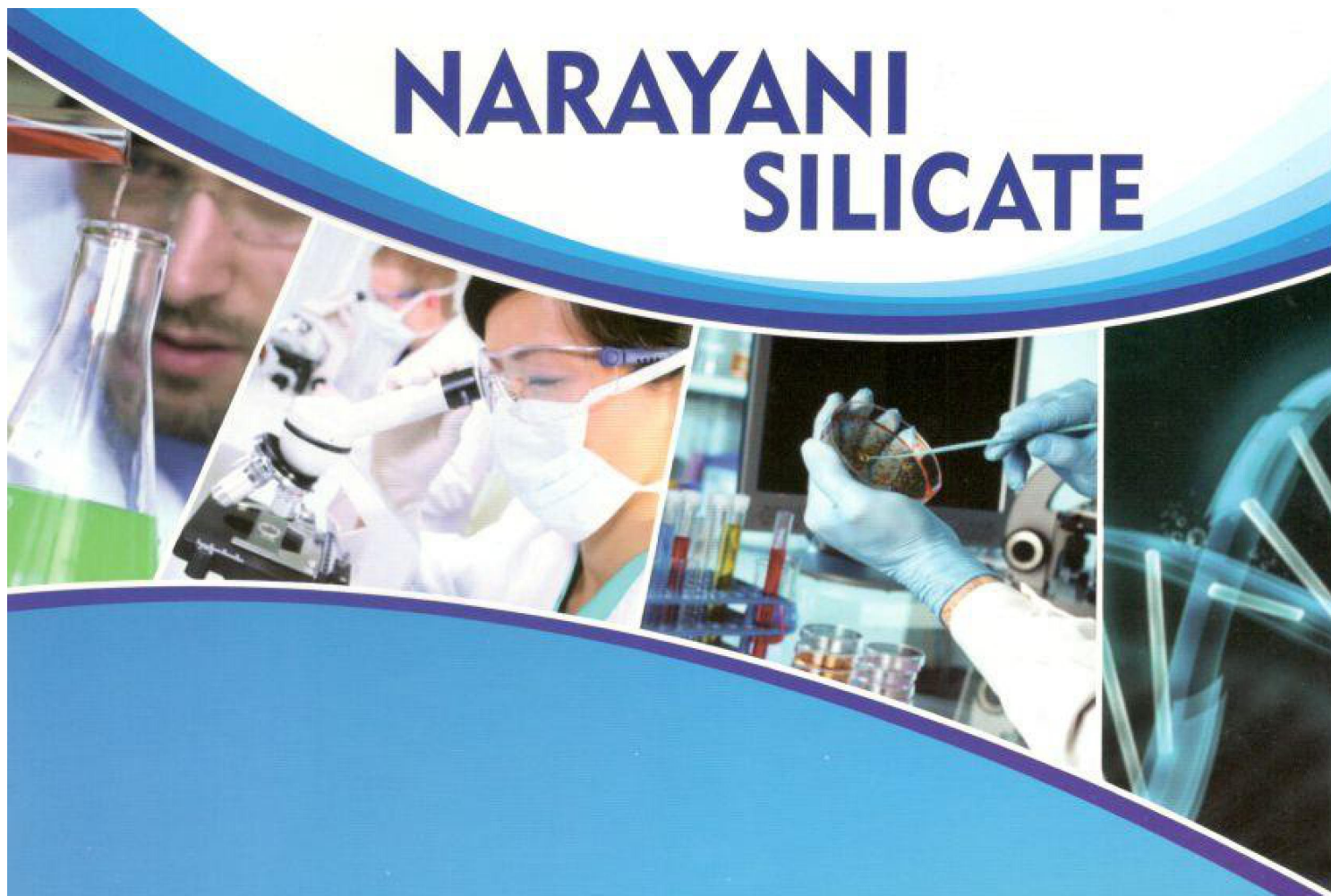


NARAYANI SILICATE



PRECIPITATED SILICA





COMPREHENSIVE FACILITIES

- ◆ Data Processing & Inventory Control
- ◆ R & D Laboratory
- ◆ Computerized Process Control
- ◆ Filtration Room
- ◆ Spray Dryer
- ◆ Cake Conveying System
- ◆ Filling & Weighing

QUALITY CONTROL

Striving towards customer satisfaction through excellent products, we ensure world class quality standards. For which we've invested in :

Surface Area Analyzer

IR Moisture Balance

Digital pH Meter

Digital Monopan Balance

In fact, we're the second company in India to have installed the **Spray Dryer** for Precipitated silica. Ensuring our thrust on quality, it enables the Silica particles to take an 'O' shape, which are then easily mixed well during any application.





TECHNICAL DATA SHEET

Product Name

Precipitated Silica

Sr. No.	Description of Test	Specification/Limits	PSL07
1	Characteristics	White Free Flowing Powder	Pass
2	pH (5%w/v) Aq. Sus.	6.0 to 7.0	6.0 to 7.0
3	Moisture Content	% Mass by mass, 5.0 Max	4.0 to 6.0
4	Heavy Metal	NMT 200 ppm	Complies
5	Silica Content	% Mass by mass, 98.5 Min	98.68%
6	L.O.D. At 110°C 2 hrs.	% Mass by mass, 4.5 Max	4.2%
7	Loss on Ignition	% Mass by mass, 10.0 Max	8.5%
8	Particle Size Passing Through 200 BSS	% Mass by mass, 99.0 Min.	Pass
9	Bulk Density Before Tapping	gm/ml, 0.08 Max.	0.065 gm/ml
	Bulk Density After Tapping	gm/ml, 0.11 Max.	0.089 gm/ml
10	Water Absorption ml/100 gm	Min. 180 ml/100 gm	270 ml / 100 gm

GENERAL INFORMATION

- Product Packaging : 20 Kg net PP Bags with liner inside.
- Storage and Handling : Full information on the handling of this product is available upon request.

PRODUCT APPLICATION

High Water Absorption

Pesticides, weedicides, adhesives and emulsions due to high water absorption.

1. Tooth Past 2. Pan Masala 3. Free flow Salt 4. Cosmetics.

FACTORY

Plot No. 295, GIDC Estate Chitra, Bhavnagar - 364004. (Gujarat) INDIA
Mobile : 9999806787 • Email : silicatenarayani@yahoo.com



TECHNICAL DATA SHEET

Product Name

Precipitated Silica

Sr. No.	Description of Test	Specification/Limits	PSL07-R
1	Characteristics	White Free Flowing Powder	Pass
2	pH (5%w/v) Aq. Sus.	6.0 to 7.0	6.0 to 7.0
3	Moisture Content	% Mass by mass, 5.0 Max	4.0 to 6.0 %
4	Heavy Metal	NMT 200 ppm	Complies
5	SiO ₂ Content	% Mass by mass, 98.0 Min	Complies
6	L.O.D. At 110°C 2 hrs.	% Mass by mass, 5.0 to 5.5 Max	5.1%
7	Loss on Ignition	% Mass by mass, 10.0 Max	9.36%
8	Other Soluble Salt	% Mass by mass, 0.5 Max	0.32%
9	Bulk Density Before Tapping	----	0.166gm/ml
	Bulk Density After Tapping	----	0.227gm/ml
10	Water Absorption ml/100 gm	Min. 180 ml/100 gm	240 ml/ 100 gm to 260 ml/ 100 gm
11	AL ₂ O ₃ CONTENT	% by weight max. 0.20	Nil
12	SURFACE AREA	----	175 ± 10m ² /g

GENERAL INFORMATION

- Product Packaging : 25 Kg net PP Bags with liner inside.
- Storage and Handling : Full information on the handling of this product is available upon request.

PRODUCT APPLICATION

Reinforcing silica

Transparent moulded shoe soles Tyre, sponge & MC sheets, cycle tyre & tube and as stripping aid in condoms.

FACTORY

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TECHNICAL DATA SHEET

Product Name

**Light Magnesium Carbonate
Soda Ash Base**

Sr. No.	Analysis	Value
1	Moisture	2.0 to 4.0
2	LOI (loss on Ignition)	40.40%
3	Calcium as Ca	0.80%
4	Magnesium as Mg	Mgo 40 to 42
5	Purity	99.80%
6	Bulk Density	0.161 (g per cm ³)
7	Specific Gravity	1.85%
8	Oil Absorbtion	127.50%
9	BSS Mesh (Particle Size)	
	(a) + 240	1.75%
	(b) - 240	98.25%
10	Appearance	White Amorphous Fine Powder
11	Taste	Test less
12	Odor	Odor less
13	PH	9
14	CO ₂ %	35.50%
15	Chloride	0.09%
16	Sulphate	0.06%

GENERAL INFORMATION

- Product Packaging : 15/20 Kg net PP Bags with liner inside.
- Storage and Handling : Full information on the handling of this product is available upon request.

PRODUCT APPLICATION

High Water Absorption
Ceramic, Rubber, Pharma, Free flow Salt, Cosmetics.

FACTORY

Plot No. 279, GIDC, Industrial Area, Chitra, Bhavnagar - 364004. (Gujarat) INDIA
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PRODUCT APPLICATIONS

The fine grades of Precipitated Silica that we manufacture, find diverse applications such as :

- ◆ Plant Protection Agents
- ◆ Reinforcement for Tyre Manufacture
- ◆ Filler in Shoe Soles, Hawaii Chappals
- ◆ Free Flow Characteristics
- ◆ Tooth paste & Cosmetic Formulations
- ◆ Pharmaceuticals



NARAYANI SILICATE

Raju Printers - 9904266575

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— FACTORY —

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