

GROUND CALCIUM CARBONATE · COATED & UNCOATED

AROSHACARB® DATA SHEETS

13 GRADES · FULL SPECIFICATIONS

Complete physical, chemical and fineness data for every AROSHACARB® grade — produced from our own high-whiteness limestone in Qom, Iran and supplied to paper, plastics, PVC, paint, adhesive, rubber and construction industries.

UM35

UM25

UM15

UM12

UM8

UM6

UM4

UM3.25

UM2

CM8

CM15

CM25

CM35

36

YEARS IN PRODUCTION

30+

EXPORT COUNTRIES

4

PRODUCTION PLANTS

20,000+

MTS PER MONTH

Quality you can write into a specification

02 – OVERVIEW

Established in 1990, the Arosha Powder Company for mining is one of the most reliable and trusted names in producing high quality calcium carbonate in the Middle East. We use the latest grinding and packaging technology to keep our products at the highest standards, and our laboratories are equipped with the latest particle size analysers for quality control assurance.

Every batch is analysed for whiteness, particle size distribution and chemical composition before dispatch, so the data in these sheets is what you can expect from regular production — not a one-off laboratory sample.

RAW MATERIAL

Qom, Iran

High-purity, high-whiteness limestone

CAPACITY

20,000+ MTs / month

Across four plants

How these sheets are built

Figures come from laboratory analysis of regular production: whiteness on DIN 6174, oil absorption and bulk density on ISO 787, particle size by laser diffraction (MALVERN) and colour by HunterLab.

CERTIFICATION & STANDARDS

CE

ISO 9001

ISO 14001

OHSAS 18001

DIN 6174 whiteness

ISO 787 oil absorption · bulk density



Packing & loading · Qom and Dilijan, Iran

BIG BAGS PALLETISED AND LOADED FOR EXPORT

Uncoated · UM series

Nine grades from UM35 (D50 1.2 µm) to UM2 (D50 11 µm). Pure white filler for paper, paints, inks, adhesives, sealants and ceramics — and for the coarser cuts, iron and steel casting, feed, drilling and construction applications.

Coated · CM series

Four grades surface-treated with stearic acid (7 – 11 kg per ton). The lubricating layer lowers viscosity and allows higher filler loading without loss of impact strength: masterbatch, PVC compound, pipes and profiles, cable and industrial paints.

01 · RAW MATERIAL

High-purity, high-whiteness limestone from our own deposits in Qom, Iran.

02 · GRINDING

Grinding and classifying lines from HOSOKAWA-ALPINE (Germany) and ANIVI (Spain).

03 · LABORATORY

Particle size analysers, whiteness and full chemical analysis on every batch.

04 · PACKING

25 – 30 kg ADS bags or big bags, palletised and shrink-wrapped for export.

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How to read these sheets — every grade has its own page with **physical characteristics, chemical analysis, fineness data and particle size distribution.**

All grades at a glance

GRADE	D50 MAX (μm)	D98 (μm)	< 2 μm (%)	WHITENESS MIN	OIL ABSORPTION (ML/100 G)	BULK DENSITY (G/ML)	STEARIC ACID (KG/TON)
UNCOATED · UM SERIES							
AROSHACARB® UM35	1.2	3.7 $\pm$ 0.30	80 $\pm$ 1	98	35.0	0.45	—
AROSHACARB® UM25	1.4	4.5 $\pm$ 0.50	70 $\pm$ 1	98	30.0	0.5	—
AROSHACARB® UM15	2	8 $\pm$ 1	50 $\pm$ 2	98	28	0.6	—
AROSHACARB® UM12	2.5	9 $\pm$ 1	40 $\pm$ 2	98	27	0.6	—
AROSHACARB® UM8	4	15 $\pm$ 1	25 $\pm$ 2	98	26	0.7	—
AROSHACARB® UM6	4.5	20 $\pm$ 1	20 $\pm$ 2	98	24.0	0.7	—
AROSHACARB® UM4	7	38 $\pm$ 1	10	97	22	0.85	—
AROSHACARB® UM3.25	9	50 $\pm$ 1	5	97	18.0	0.85	—
AROSHACARB® UM2	11	75 $\pm$ 1	3	97	16	0.9	—
STEARIC ACID COATED · CM SERIES							
AROSHACARB® CM8	4	15 $\pm$ 1	25 $\pm$ 2	98	26	0.7	7 – 10
AROSHACARB® CM15	2	8 $\pm$ 1	50 $\pm$ 2	98	28	0.6	7 – 11
AROSHACARB® CM25	1.4	4.5 $\pm$ 0.50	70 $\pm$ 1	98	30.0	0.5	7 – 11
AROSHACARB® CM35	1.2	3.7 $\pm$ 0.30	80 $\pm$ 1	98	35.0	0.45	7 – 11

ORDERING INFORMATION

01 · APPLICATION

Your process and the properties you need: whiteness, loading, viscosity, hardness.

02 · GRADE

The AROSHACARB® code, or the D50 / D98 top cut you want to target.

03 · VOLUME

Monthly tonnage and first order size, so we can plan production.

04 · PACKAGING

25 – 30 kg bags, big bags, or a mix per shipment.

05 · DELIVERY

Incoterm (FOB · CFR), destination port and loading preference.

06 · SAMPLE

A free trial sample plus the certificate of analysis of the production batch.



Need a grade that is not listed, or a tailored top cut? **Our technical team will advise and send samples for your own trials.**

UM35

Uncoated calcium carbonate

GRADE 01 OF 13 · TDS 2026

APPLICATIONS & DESCRIPTION

UM35 is a fine particle size, high brightness calcium carbonate derived from pure limestone. It is characterized by its high whiteness. UM35 is used in paper, powder coating (glossy finish), water based paints, solvent based paints, protective paints, printing inks, adhesives and sealants.

Paper Powder coating (glossy finish) Water based paints
Solvent based paints Protective paints Printing inks
Adhesives and sealants

1.2 μ mMAIN PARTICLE SIZE ·
D50 MAX**3.7 ± 0.30 μ m**

TOP CUT · D98

80±1%PARTICLES < 2 μ m**98**

WHITENESS MIN

Physical characteristics	TYPICAL VALUES
Whiteness DIN 6174 · min	98
Refractive index	1.59
Hardness Mohs	3.00
Humidity % max	0.2
Density g/cm ³	2.730
pH ISO 787/9	9
Oil absorption ml/100 g · ISO 787/5	35.0
Bulk density g/ml · ISO 787/11	0.45
Moisture %	0.2

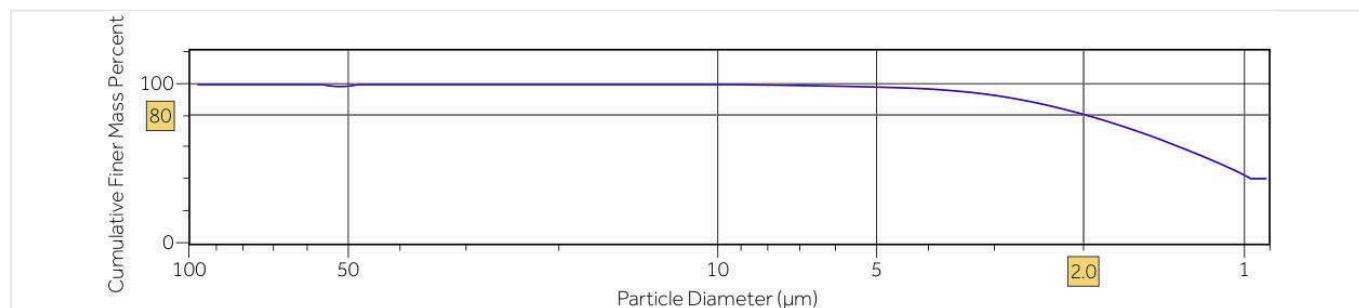
Chemical analysis	TYPICAL VALUES
CaCO ₃ % min	99
MgO % max	0.20
Fe ₂ O ₃ % max	0.01
Al ₂ O ₃ % max	0.04
SiO ₂ % max	0.01
Na ₂ O % max	0.05
CaO % max	56.06
L.O.I. % max	43.89
Insoluble content in HCl % max	0.1

80 ± 1%PARTICLES < 2 μ m**1.2 μ m**

MAIN PARTICLE SIZE · D50 MAX

3.7 ± 0.30 μ m

TOP CUT · D98

PARTICLE SIZE DISTRIBUTION · CUMULATIVE PASSING (%) AGAINST PARTICLE DIAMETER (μ m)

Values shown are typical of regular production; a certificate of analysis for the delivered batch is issued with every shipment.

RAW MATERIAL

Qom, Iran

Own high-purity limestone deposit

CERTIFICATION

CE · ISO 9001 · ISO 14001 · OHSAS 18001

PACKAGING

25 – 30 kg ADS bags · big bags

Palletised and shrink-wrapped loads

UM25

Uncoated calcium carbonate

GRADE 02 OF 13 · TDS 2026

APPLICATIONS & DESCRIPTION

UM25 is a fine particle size, high brightness calcium carbonate derived from pure limestone. It is characterized by its high whiteness. UM25 is used in paper, powder coating (glossy finish), water based paints, solvent based paints, protective paints, printing inks, adhesives and sealants.

- Paper
- Powder coating (glossy finish)
- Water based paints
- Solvent based paints
- Protective paints
- Printing inks
- Adhesives and sealants

1.4 μm

MAIN PARTICLE SIZE ·
D50 MAX

4.5 $\pm$ 0.50 μm

TOP CUT · D98

70 $\pm$ 1 %

PARTICLES < 2 μm

98

WHITENESS MIN

Physical characteristics	TYPICAL VALUES
Whiteness DIN 6174 · min	98
Refractive index	1.59
Hardness Mohs	3.00
Humidity % max	0.2
Density g/cm ³	2.730
pH ISO 787/9	9
Oil absorption ml/100 g · ISO 787/5	30.0
Bulk density g/ml · ISO 787/11	0.5
Moisture %	0.2

Chemical analysis	TYPICAL VALUES
CaCO ₃ % min	99
MgO % max	0.20
Fe ₂ O ₃ % max	0.01
Al ₂ O ₃ % max	0.04
SiO ₂ % max	0.01
Na ₂ O % max	0.05
CaO % max	56.06
L.O.I. % max	43.89
Insoluble content in HCl % max	0.1

70 $\pm$ 1 %

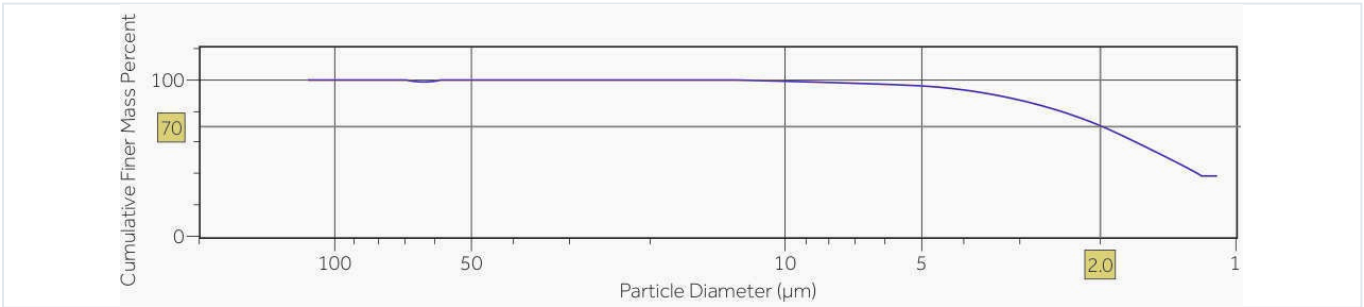
PARTICLES < 2 μm

1.4 μm

MAIN PARTICLE SIZE · D50 MAX

4.5 $\pm$ 0.50 μm

TOP CUT · D98



PARTICLE SIZE DISTRIBUTION · CUMULATIVE PASSING (%) AGAINST PARTICLE DIAMETER (μm)

Values shown are typical of regular production; a certificate of analysis for the delivered batch is issued with every shipment.

RAW MATERIAL

Qom, Iran

Own high-purity limestone deposit

CERTIFICATION

CE · ISO 9001 · ISO 14001 · OHSAS 18001

PACKAGING

25 – 30 kg ADS bags · big bags

Palletised and shrink-wrapped loads

UM15

Uncoated calcium carbonate

GRADE 03 OF 13 · TDS 2026

APPLICATIONS & DESCRIPTION

UM15 is a ground calcium carbonate produced from pure, high-whiteness limestone in Qom, Iran. Typical applications:

- Iron casting
- Steel production
- Paper making
- Livestock & poultry feed
- Construction & road construction
- Drilling oil and gas wells
- Edible & medicinal lime
- Paint and glue industry
- Cable and wire industry
- Detergent industry
- Health industry
- Ceramic tile

2 μ m

MAIN PARTICLE SIZE ·
D50 MAX

8 $\pm$ 1 μ m

TOP CUT · D98

50 $\pm$ 2%

PARTICLES < 2 μ m

98

WHITENESS MIN

Physical characteristics	TYPICAL VALUES
Whiteness DIN 6174 · min	98
Refractive index	1.59
Hardness Mohs	3.00
Humidity % max	0.2
Density g/cm ³	2.730
pH ISO 787/9	9
Oil absorption ml/100 g · ISO 787/5	28
Bulk density g/ml · ISO 787/11	0.6
Moisture %	0.2

Chemical analysis	TYPICAL VALUES
CaCO ₃ % min	99
MgO % max	0.20
Fe ₂ O ₃ % max	0.01
Al ₂ O ₃ % max	0.04
SiO ₂ % max	0.01
Na ₂ O % max	0.05
CaO % max	56.06
L.O.I. % max	43.89
Insoluble content in HCl % max	0.1

50 $\pm$ 2%

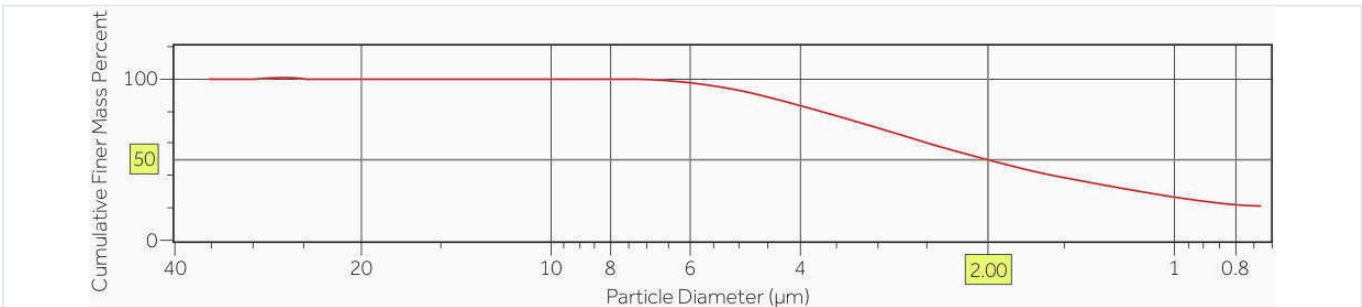
PARTICLES < 2 μ m

2 μ m

MAIN PARTICLE SIZE · D50 MAX

8 $\pm$ 1 μ m

TOP CUT · D98



PARTICLE SIZE DISTRIBUTION · CUMULATIVE PASSING (%) AGAINST PARTICLE DIAMETER (μm)

Values shown are typical of regular production; a certificate of analysis for the delivered batch is issued with every shipment.

RAW MATERIAL

Qom, Iran

Own high-purity limestone deposit

CERTIFICATION

CE · ISO 9001 · ISO 14001 · OHSAS 18001

PACKAGING

25 – 30 kg ADS bags · big bags

Palletised and shrink-wrapped loads

UM12

Uncoated calcium carbonate

GRADE 04 OF 13 · TDS 2026

APPLICATIONS & DESCRIPTION

UM12 is a ground calcium carbonate produced from pure, high-whiteness limestone in Qom, Iran. Typical applications:

- Iron casting
- Steel production
- Paper making
- Livestock & poultry feed
- Construction & road construction
- Drilling oil and gas wells
- Edible & medicinal lime
- Paint and glue industry
- Cable and wire industry
- Detergent industry
- Health industry
- Ceramic tile

2.5 μm

MAIN PARTICLE SIZE ·
D50 MAX

9 ± 1 μm

TOP CUT · D98

40 ± 2 %

PARTICLES < 2 μm

98

WHITENESS MIN

Physical characteristics	TYPICAL VALUES
Whiteness DIN 6174 · min	98
Refractive index	1.59
Hardness Mohs	3.00
Humidity % max	0.2
Density g/cm ³	2.730
pH ISO 787/9	9
Oil absorption ml/100 g · ISO 787/5	27
Bulk density g/ml · ISO 787/11	0.6
Moisture %	0.2

Chemical analysis	TYPICAL VALUES
CaCO ₃ % min	99
MgO % max	0.20
Fe ₂ O ₃ % max	0.01
Al ₂ O ₃ % max	0.04
SiO ₂ % max	0.01
Na ₂ O % max	0.05
CaO % max	56.06
L.O.I. % max	43.89
Insoluble content in HCl % max	0.1

40 ± 2 %

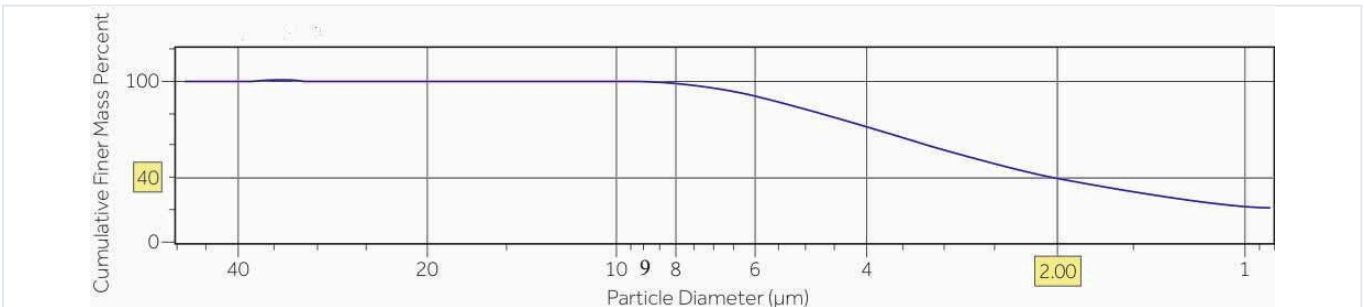
PARTICLES < 2 μm

2.5 μm

MAIN PARTICLE SIZE · D50 MAX

9 ± 1 μm

TOP CUT · D98



PARTICLE SIZE DISTRIBUTION · CUMULATIVE PASSING (%) AGAINST PARTICLE DIAMETER (μm)

Values shown are typical of regular production; a certificate of analysis for the delivered batch is issued with every shipment.

RAW MATERIAL

Qom, Iran

Own high-purity limestone deposit

CERTIFICATION

CE · ISO 9001 · ISO 14001 · OHSAS 18001

PACKAGING

25 – 30 kg ADS bags · big bags

Palletised and shrink-wrapped loads

UM8

Uncoated calcium carbonate

GRADE 05 OF 13 · TDS 2026

APPLICATIONS & DESCRIPTION

UM8 is a ground calcium carbonate produced from pure, high-whiteness limestone in Qom, Iran. Typical applications:

- Iron casting
- Steel production
- Paper making
- Livestock & poultry feed
- Construction & road construction
- Drilling oil and gas wells
- Edible & medicinal lime
- Paint and glue industry
- Cable and wire industry
- Detergent industry
- Health industry
- Ceramic tile

4 μ m

MAIN PARTICLE SIZE ·
D50 MAX

15 $\pm$ 1 μ m

TOP CUT · D98

25 $\pm$ 2 %

PARTICLES < 2 μ m

98

WHITENESS MIN

Physical characteristics	TYPICAL VALUES
Whiteness DIN 6174 · min	98
Refractive index	1.59
Hardness Mohs	3.00
Humidity % max	0.2
Density g/cm ³	2.730
pH ISO 787/9	9
Oil absorption ml/100 g · ISO 787/5	26
Bulk density g/ml · ISO 787/11	0.7
Moisture %	0.2

Chemical analysis	TYPICAL VALUES
CaCO ₃ % min	99
MgO % max	0.20
Fe ₂ O ₃ % max	0.01
Al ₂ O ₃ % max	0.04
SiO ₂ % max	0.01
Na ₂ O % max	0.05
CaO % max	56.06
L.O.I. % max	43.89
Insoluble content in HCl % max	0.1

25 $\pm$ 2 %

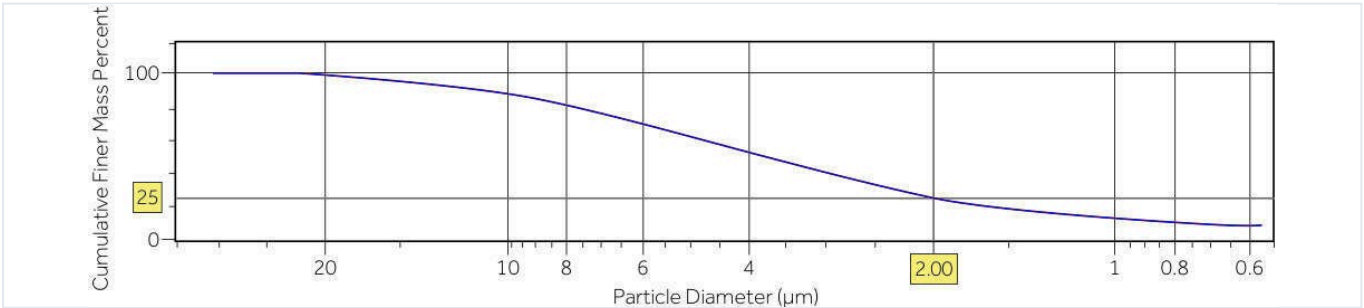
PARTICLES < 2 μ m

4 μ m

MAIN PARTICLE SIZE · D50 MAX

15 $\pm$ 1 μ m

TOP CUT · D98



PARTICLE SIZE DISTRIBUTION · CUMULATIVE PASSING (%) AGAINST PARTICLE DIAMETER (μ m)

Values shown are typical of regular production; a certificate of analysis for the delivered batch is issued with every shipment.

RAW MATERIAL

Qom, Iran

Own high-purity limestone deposit

CERTIFICATION

CE · ISO 9001 · ISO 14001 · OHSAS 18001

PACKAGING

25 – 30 kg ADS bags · big bags

Palletised and shrink-wrapped loads

UM6

Uncoated calcium carbonate

GRADE 06 OF 13 · TDS 2026

APPLICATIONS & DESCRIPTION

UM6 is a ground calcium carbonate produced from pure, high-whiteness limestone in Qom, Iran. Typical applications:

- Iron casting
- Steel production
- Paper making
- Livestock & poultry feed
- Construction & road construction
- Drilling oil and gas wells
- Edible & medicinal lime
- Paint and glue industry
- Cable and wire industry
- Detergent industry
- Health industry
- Ceramic tile

4.5 μ m

MAIN PARTICLE SIZE ·
D50 MAX

20 $\pm$ 1 μ m

TOP CUT · D98

20 $\pm$ 2 %

PARTICLES < 2 μ m

98

WHITENESS MIN

Physical characteristics	TYPICAL VALUES
Whiteness DIN 6174 · min	98
Refractive index	1.59
Hardness Mohs	3.00
Humidity % max	0.2
Density g/cm ³	2.730
pH ISO 787/9	9
Oil absorption ml/100 g · ISO 787/5	24.0
Bulk density g/ml · ISO 787/11	0.7
Moisture %	0.2

Chemical analysis	TYPICAL VALUES
CaCO ₃ % min	99
MgO % max	0.20
Fe ₂ O ₃ % max	0.01
Al ₂ O ₃ % max	0.04
SiO ₂ % max	0.01
Na ₂ O % max	0.05
CaO % max	56.06
L.O.I. % max	43.89
Insoluble content in HCl % max	0.1

20 $\pm$ 2 %

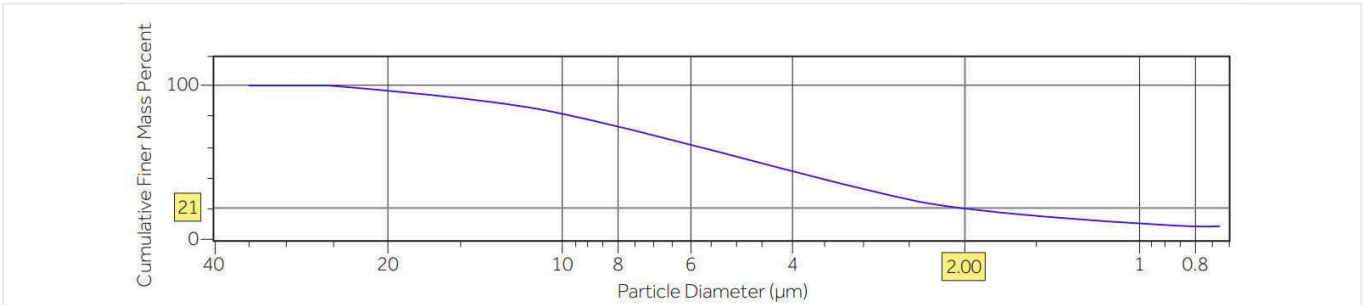
PARTICLES < 2 μ m

4.5 μ m

MAIN PARTICLE SIZE · D50 MAX

20 $\pm$ 1 μ m

TOP CUT · D98



PARTICLE SIZE DISTRIBUTION · CUMULATIVE PASSING (%) AGAINST PARTICLE DIAMETER (μm)

Values shown are typical of regular production; a certificate of analysis for the delivered batch is issued with every shipment.

RAW MATERIAL

Qom, Iran

Own high-purity limestone deposit

CERTIFICATION

CE · ISO 9001 · ISO 14001 · OHSAS 18001

PACKAGING

25 – 30 kg ADS bags · big bags

Palletised and shrink-wrapped loads

UM4

Uncoated calcium carbonate

GRADE 07 OF 13 · TDS 2026

APPLICATIONS & DESCRIPTION

UM4 is a ground calcium carbonate produced from pure, high-whiteness limestone in Qom, Iran. Typical applications:

- Iron casting
- Steel production
- Livestock & poultry feed
- Construction & road construction
- Drilling oil and gas wells
- Detergent industry
- Health industry

7 μm

MAIN PARTICLE SIZE ·
D50 MAX

38 $\pm$ 1 μm

TOP CUT · D98

10 %

PARTICLES < 2 μm

97

WHITENESS MIN

Physical characteristics	TYPICAL VALUES
Whiteness DIN 6174 · min	97
Refractive index	1.59
Hardness Mohs	3.00
Humidity % max	0.2
Density g/cm ³	2.730
pH ISO 787/9	9
Oil absorption ml/100 g · ISO 787/5	22
Bulk density g/ml · ISO 787/11	0.85
Moisture %	0.2

Chemical analysis	TYPICAL VALUES
CaCO ₃ % min	99
MgO % max	0.20
Fe ₂ O ₃ % max	0.01
Al ₂ O ₃ % max	0.04
SiO ₂ % max	0.01
Na ₂ O % max	0.05
CaO % max	56.06
L.O.I. % max	43.89
Insoluble content in HCl % max	0.1

10 %

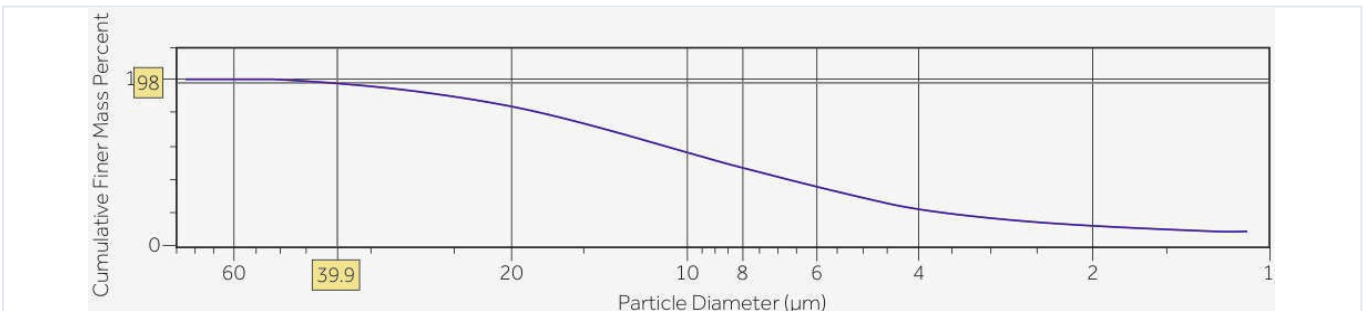
PARTICLES < 2 μm

7 μm

MAIN PARTICLE SIZE · D50 MAX

38 $\pm$ 1 μm

TOP CUT · D98



PARTICLE SIZE DISTRIBUTION · CUMULATIVE PASSING (%) AGAINST PARTICLE DIAMETER (μm)

Values shown are typical of regular production; a certificate of analysis for the delivered batch is issued with every shipment.

RAW MATERIAL

Qom, Iran

Own high-purity limestone deposit

CERTIFICATION

CE · ISO 9001 · ISO 14001 · OHSAS 18001

PACKAGING

25 – 30 kg ADS bags · big bags

Palletised and shrink-wrapped loads

UM3.25

Uncoated calcium carbonate

GRADE 08 OF 13 · TDS 2026

APPLICATIONS & DESCRIPTION

UM3.25 is a ground calcium carbonate produced from pure, high-whiteness limestone in Qom, Iran. Typical applications:

Iron casting Steel production Livestock & poultry feed
Construction & road construction Drilling oil and gas wells
Detergent industry Health industry

9 μm

MAIN PARTICLE SIZE ·
D50 MAX

50 $\pm$ 1 μm

TOP CUT · D98

5 %

PARTICLES < 2 μm

97

WHITENESS MIN

Physical characteristics	TYPICAL VALUES
Whiteness DIN 6174 · min	97
Refractive index	1.59
Hardness Mohs	3.00
Humidity % max	0.2
Density g/cm ³	2.730
pH ISO 787/9	9
Oil absorption ml/100 g · ISO 787/5	18.0
Bulk density g/ml · ISO 787/11	0.85
Moisture %	0.2

Chemical analysis	TYPICAL VALUES
CaCO ₃ % min	99
MgO % max	0.20
Fe ₂ O ₃ % max	0.01
Al ₂ O ₃ % max	0.04
SiO ₂ % max	0.01
Na ₂ O % max	0.05
CaO % max	56.06
L.O.I. % max	43.89
Insoluble content in HCl % max	0.1

5 %

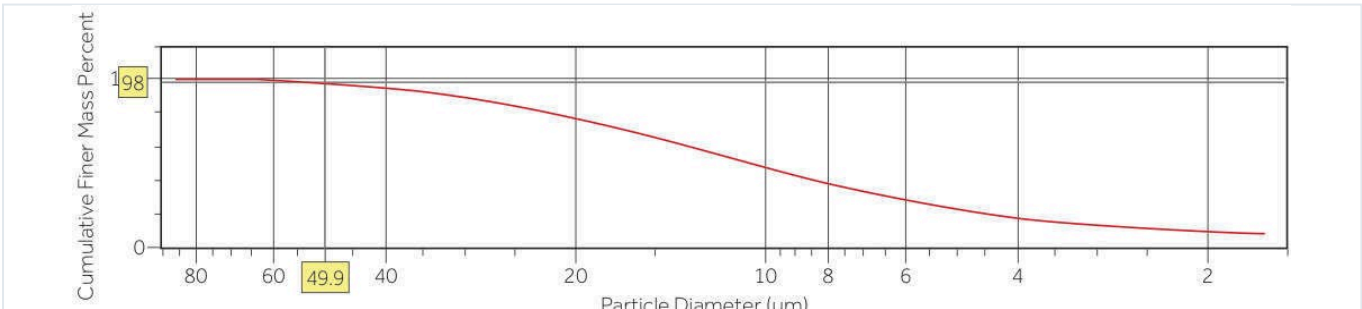
PARTICLES < 2 μm

9 μm

MAIN PARTICLE SIZE · D50 MAX

50 $\pm$ 1 μm

TOP CUT · D98



PARTICLE SIZE DISTRIBUTION · CUMULATIVE PASSING (%) AGAINST PARTICLE DIAMETER (μm)

Values shown are typical of regular production; a certificate of analysis for the delivered batch is issued with every shipment.

RAW MATERIAL

Qom, Iran

Own high-purity limestone deposit

CERTIFICATION

CE · ISO 9001 · ISO 14001 · OHSAS 18001

PACKAGING

25 – 30 kg ADS bags · big bags

Palletised and shrink-wrapped loads

UM2

Uncoated calcium carbonate

GRADE 09 OF 13 · TDS 2026

APPLICATIONS & DESCRIPTION

UM2 is a ground calcium carbonate produced from pure, high-whiteness limestone in Qom, Iran. Typical applications:

- Iron casting
- Steel production
- Livestock & poultry feed
- Construction & road construction
- Drilling oil and gas wells
- Detergent industry
- Health industry

11 μm

MAIN PARTICLE SIZE ·
D50 MAX

75 ± 1 μm

TOP CUT · D98

3 %

PARTICLES < 2 μm

97

WHITENESS MIN

Physical characteristics	TYPICAL VALUES
Whiteness DIN 6174 · min	97
Refractive index	1.59
Hardness Mohs	3.00
Humidity % max	0.2
Density g/cm ³	2.730
pH ISO 787/9	9
Oil absorption ml/100 g · ISO 787/5	16
Bulk density g/ml · ISO 787/11	0.9
Moisture %	0.2

Chemical analysis	TYPICAL VALUES
CaCO ₃ % min	99
MgO % max	0.20
Fe ₂ O ₃ % max	0.01
Al ₂ O ₃ % max	0.04
SiO ₂ % max	0.01
Na ₂ O % max	0.05
CaO % max	56.06
L.O.I. % max	43.89
Insoluble content in HCl % max	0.1

3 %

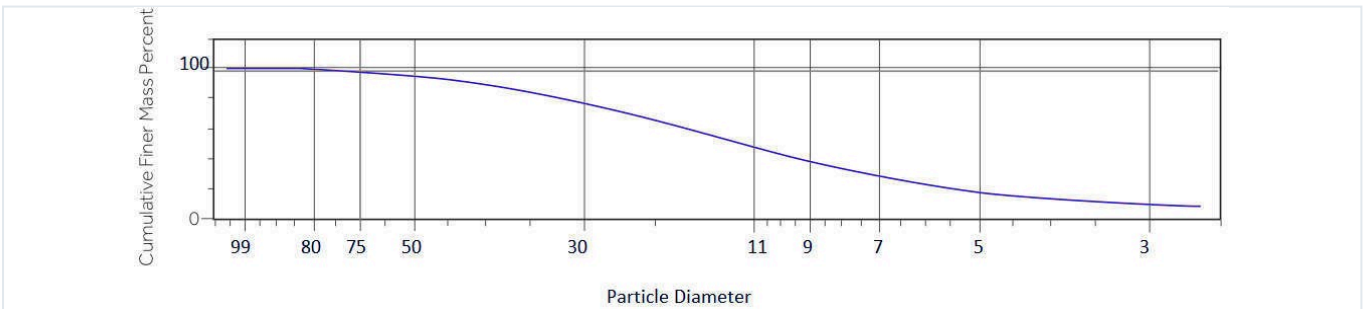
PARTICLES < 2 μm

11 μm

MAIN PARTICLE SIZE · D50 MAX

75 ± 1 μm

TOP CUT · D98



PARTICLE SIZE DISTRIBUTION · CUMULATIVE PASSING (%) AGAINST PARTICLE DIAMETER (μm)

Values shown are typical of regular production; a certificate of analysis for the delivered batch is issued with every shipment.

RAW MATERIAL

Qom, Iran

Own high-purity limestone deposit

CERTIFICATION

CE · ISO 9001 · ISO 14001 · OHSAS 18001

PACKAGING

25 – 30 kg ADS bags · big bags

Palletised and shrink-wrapped loads

CM8

Stearic acid coated calcium carbonate

GRADE 10 OF 13 · TDS 2026

APPLICATIONS & DESCRIPTION

Natural, ultra-fine calcium carbonate manufactured from high purity and high whiteness limestone. A high-technology stearic acid surface coating is applied to give excellent dispersion and higher filler loading in polymers.

Plastics

Polymers

PVC profiles

Profile sheets

PVC pipes

Industrial paints

Filler primers

Anti-corrosion fillers

4 μ mMAIN PARTICLE SIZE ·
D50 MAX**15 $\pm$ 1 μ m**

TOP CUT · D98

25 $\pm$ 2 %PARTICLES < 2 μ m**98**

WHITENESS MIN

Physical characteristics	TYPICAL VALUES
Whiteness DIN 6174 · min	98
Refractive index	1.59
Hardness Mohs	3.00
Humidity % max	0.2
Density g/cm ³	2.730
pH ISO 787/9	9
Oil absorption ml/100 g · ISO 787/5	26
Bulk density g/ml · ISO 787/11	0.7
Moisture %	0.2

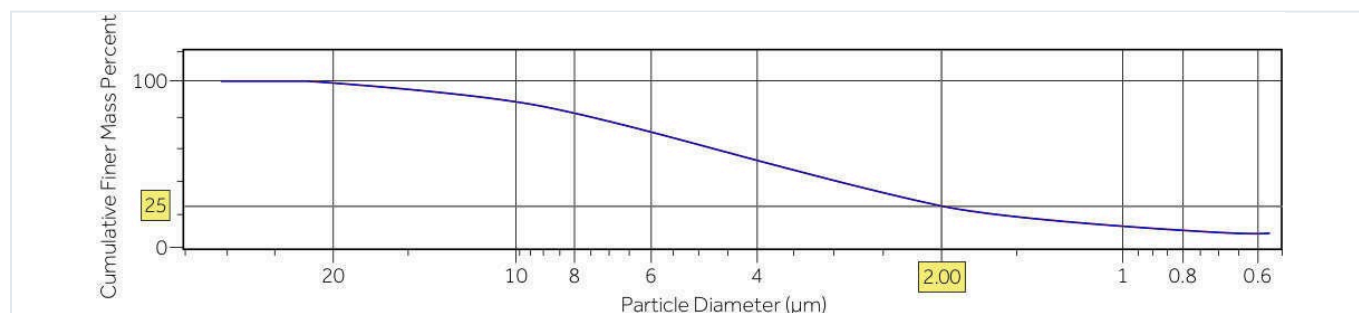
Chemical analysis	TYPICAL VALUES
CaCO ₃ % min	99
MgO % max	0.20
Fe ₂ O ₃ % max	0.01
Al ₂ O ₃ % max	0.04
SiO ₂ % max	0.01
Na ₂ O % max	0.05
CaO % max	56.06
L.O.I. % max	43.89
Insoluble content in HCl % max	0.1

25 $\pm$ 2 %PARTICLES < 2 μ m**4 μ m**

MAIN PARTICLE SIZE · D50 MAX

15 $\pm$ 1 μ m

TOP CUT · D98



PARTICLE SIZE DISTRIBUTION · CUMULATIVE PASSING (%) AGAINST PARTICLE DIAMETER (μm)

Values shown are typical of regular production; a certificate of analysis for the delivered batch is issued with every shipment.

RAW MATERIAL

Gom, Iran

Own high-purity limestone deposit

CERTIFICATION

CE · ISO 9001 · ISO 14001 · OHSAS 18001

PACKAGING

25 – 30 kg ADS bags · big bags

Palletised and shrink-wrapped loads

STEARIC ACID

7 – 10 kg / ton

CM15

Stearic acid coated calcium carbonate

GRADE 11 OF 13 · TDS 2026

APPLICATIONS & DESCRIPTION

Natural, ultra-fine calcium carbonate manufactured from high purity and high whiteness limestone. A high-technology stearic acid surface coating is applied to give excellent dispersion and higher filler loading in polymers.

Plastics

Polymers

PVC profiles

Profile sheets

PVC pipes

Industrial paints

Filler primers

Anti-corrosion fillers

2 μ mMAIN PARTICLE SIZE ·
D50 MAX**8 ± 1 μ m**

TOP CUT · D98

50 ± 2%PARTICLES < 2 μ m**98**

WHITENESS MIN

Physical characteristics	TYPICAL VALUES
Whiteness DIN 6174 · min	98
Refractive index	1.59
Hardness Mohs	3.00
Humidity % max	0.2
Density g/cm ³	2.730
pH ISO 787/9	9
Oil absorption ml/100 g · ISO 787/5	28
Bulk density g/ml · ISO 787/11	0.6
Moisture %	0.2

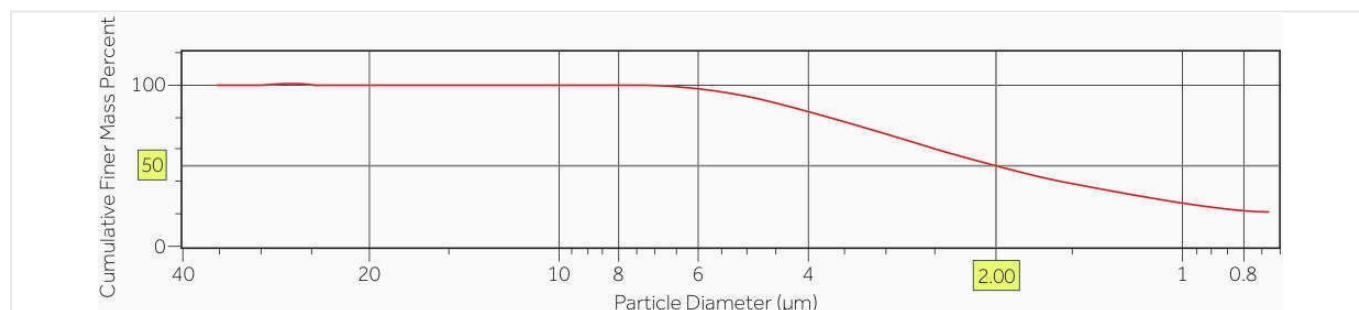
Chemical analysis	TYPICAL VALUES
CaCO ₃ % min	99
MgO % max	0.20
Fe ₂ O ₃ % max	0.01
Al ₂ O ₃ % max	0.04
SiO ₂ % max	0.01
Na ₂ O % max	0.05
CaO % max	56.06
L.O.I. % max	43.89
Insoluble content in HCl % max	0.1

50 ± 2%PARTICLES < 2 μ m**2 μ m**

MAIN PARTICLE SIZE · D50 MAX

8 ± 1 μ m

TOP CUT · D98

PARTICLE SIZE DISTRIBUTION · CUMULATIVE PASSING (%) AGAINST PARTICLE DIAMETER (μ m)

Values shown are typical of regular production; a certificate of analysis for the delivered batch is issued with every shipment.

RAW MATERIAL

Gom, Iran

Own high-purity limestone deposit

CERTIFICATION

CE · ISO 9001 · ISO 14001 · OHSAS 18001

PACKAGING

25 – 30 kg ADS bags · big bags

Palletised and shrink-wrapped loads

STEARIC ACID

7 – 11 kg / ton

CM25

Stearic acid coated calcium carbonate

GRADE 12 OF 13 · TDS 2026

APPLICATIONS & DESCRIPTION

Natural, ultra-fine calcium carbonate manufactured from high purity and high whiteness limestone. A high-technology stearic acid surface coating is applied to give excellent dispersion and higher filler loading in polymers.

Plastics

Polymers

PVC profiles

Profile sheets

PVC pipes

Industrial paints

Filler primers

Anti-corrosion fillers

1.4 μ m

MAIN PARTICLE SIZE ·
D50 MAX

4.5 $\pm$ 0.50 μ m

TOP CUT · D98

70 $\pm$ 1%

PARTICLES < 2 μ m

98

WHITENESS MIN

Physical characteristics	TYPICAL VALUES
Whiteness DIN 6174 · min	98
Refractive index	1.59
Hardness Mohs	3.00
Humidity % max	0.2
Density g/cm ³	2.730
pH ISO 787/9	9
Oil absorption ml/100 g · ISO 787/5	30.0
Bulk density g/ml · ISO 787/11	0.5
Moisture %	0.2

Chemical analysis	TYPICAL VALUES
CaCO ₃ % min	99
MgO % max	0.20
Fe ₂ O ₃ % max	0.01
Al ₂ O ₃ % max	0.04
SiO ₂ % max	0.01
Na ₂ O % max	0.05
CaO % max	56.06
L.O.I. % max	43.89
Insoluble content in HCl % max	0.1

70 $\pm$ 1%

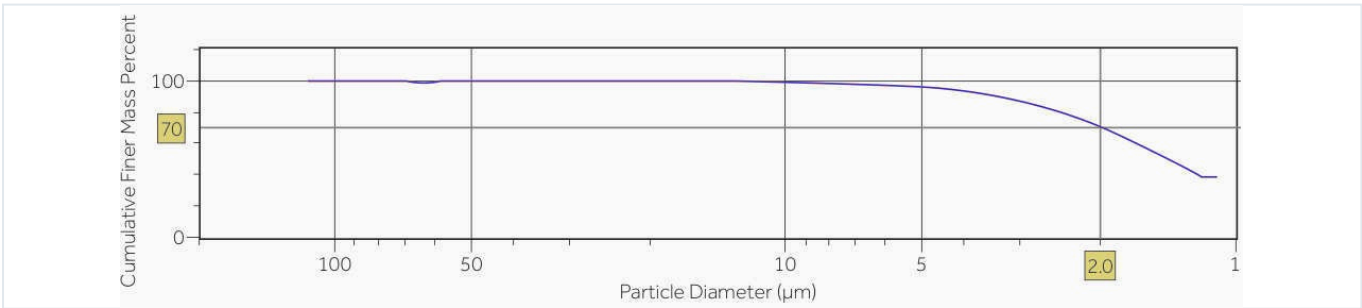
PARTICLES < 2 μ m

1.4 μ m

MAIN PARTICLE SIZE · D50 MAX

4.5 $\pm$ 0.50 μ m

TOP CUT · D98



PARTICLE SIZE DISTRIBUTION · CUMULATIVE PASSING (%) AGAINST PARTICLE DIAMETER (μ m)

Values shown are typical of regular production; a certificate of analysis for the delivered batch is issued with every shipment.

RAW MATERIAL

Gom, Iran

Own high-purity limestone deposit

CERTIFICATION

CE · ISO 9001 · ISO 14001 · OHSAS 18001

PACKAGING

25 – 30 kg ADS bags · big bags
Palletised and shrink-wrapped loads

STEARIC ACID

7 – 11 kg / ton

CM35

Stearic acid coated calcium carbonate

GRADE 13 OF 13 · TDS 2026

APPLICATIONS & DESCRIPTION

Natural, ultra-fine calcium carbonate manufactured from high purity and high whiteness limestone. A high-technology stearic acid surface coating is applied to give excellent dispersion and higher filler loading in polymers.

Plastics

Polymers

PVC profiles

Profile sheets

PVC pipes

Industrial paints

Filler primers

Anti-corrosion fillers

1.2 μ mMAIN PARTICLE SIZE ·
D50 MAX**3.7 ± 0.30 μ m**

TOP CUT · D98

80±1%PARTICLES < 2 μ m**98**

WHITENESS MIN

Physical characteristics	TYPICAL VALUES
Whiteness DIN 6174 · min	98
Refractive index	1.59
Hardness Mohs	3.00
Humidity % max	0.2
Density g/cm ³	2.730
pH ISO 787/9	9
Oil absorption ml/100 g · ISO 787/5	35.0
Bulk density g/ml · ISO 787/11	0.45
Moisture %	0.2

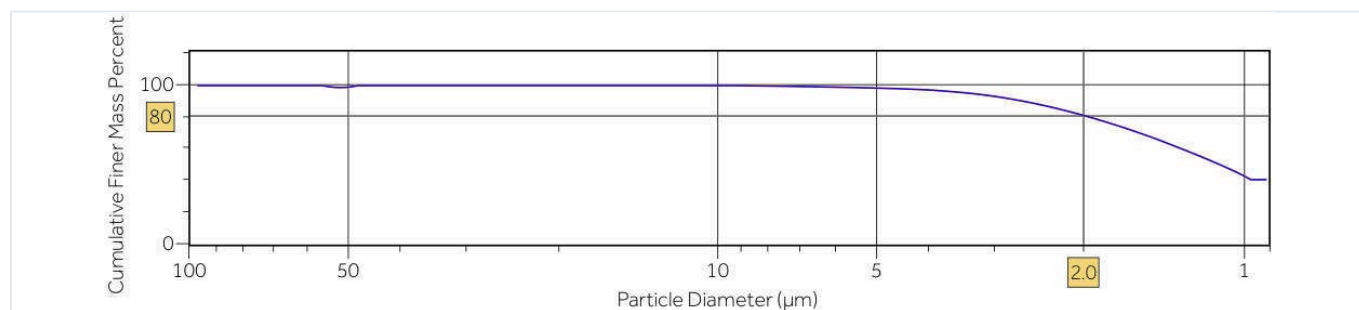
Chemical analysis	TYPICAL VALUES
CaCO ₃ % min	99
MgO % max	0.20
Fe ₂ O ₃ % max	0.01
Al ₂ O ₃ % max	0.04
SiO ₂ % max	0.01
Na ₂ O % max	0.05
CaO % max	56.06
L.O.I. % max	43.89
Insoluble content in HCl % max	0.1

80 ± 1%PARTICLES < 2 μ m**1.2 μ m**

MAIN PARTICLE SIZE · D50 MAX

3.7 ± 0.30 μ m

TOP CUT · D98

PARTICLE SIZE DISTRIBUTION · CUMULATIVE PASSING (%) AGAINST PARTICLE DIAMETER (μ m)

Values shown are typical of regular production; a certificate of analysis for the delivered batch is issued with every shipment.

RAW MATERIAL

Gom, Iran

Own high-purity limestone deposit

CERTIFICATION

CE · ISO 9001 · ISO 14001 · OHSAS 18001

PACKAGING

25 – 30 kg ADS bags · big bags

Palletised and shrink-wrapped loads

STEARIC ACID

7 – 11 kg / ton

Packaging, loading & delivery

25 – 30 kg ADS bags

Multi-wall valve bags, palletised and shrink-wrapped in standard pallet loads for warehouses and smaller lines.

Big bags

Jumbo bags with lifting loops for bulk handling, sized to your silo or mixer inlet.

Palletised loads

Shrink-wrapped, strapped and labelled per container plan, ready for direct discharge.



Loading options

EXPORT DEPARTMENT

Container loading FCL	20' / 40'
Bulk truck bag or in-bulk	By agreement
Break-bulk shipment FOB · CFR	By agreement
Incoterms	FOB · CFR

Buying & quality

SAMPLING

Trial samples	Free of charge
Batch analysis	With every shipment
MOQ	One pallet
Lead time	2 – 3 weeks

STORAGE

- Keep bags closed and dry; store on pallets, away from direct sunlight.
- Shelf life is effectively unlimited in dry conditions.
- Use dust masks and local extraction when handling in bulk.

DOCUMENTATION

- Certificate of analysis for every batch.
- Material safety data sheet on request.
- Origin and packing list with each shipment.

BATCH ANALYSIS

Whiteness, particle size and chemistry results for the loaded batch.

SAFETY DATA

MSDS issued for each grade, for your own HSE files.

ORIGIN & PACKING

Origin certificate and packing list follow the shipment.

TRIAL SAMPLE

Sent before the first order, at our cost.



Every shipment leaves with a **certificate of analysis** for the delivered batch — tell us your target grade and we will plan packing and loading for your port.

How to order, sample & ask

Send us your application, target grade and monthly volume — our technical team will recommend the right product and send a sample for your own trials.

OWN RAW MATERIAL

High-whiteness limestone under our own control in Qom.

CONSISTENT QUALITY

Every single batch analysed before dispatch.

CAPACITY

20,000+ MTs per month across four plants.

SUPPORT

Technical advice and free trial samples.

HEAD OFFICE

Qom · Iran

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TEL +98 25 3820 8131

EMAIL info@aroshapowder.co

WEB aroshapowder.co

FACTORY

Dilijan industrial town

ADDRESS Dilijan, the beginning of Isfahan road, Dilijan industrial town, Iran

TEL +98 25 9101 5645

CAPACITY 4 plants · 20,000+ MTs per month

INSTANT CONTACT

WhatsApp · Telegram

MOBILE +98 912 751 6759

HOURS Saturday – Thursday, 08:00 – 17:00 (GMT +3:30)

COMMERCIAL

Export department

ENQUIRIES info@aroshapowder.co

SAMPLES Free trial samples available for qualified projects

TERMS FOB · CFR · container, bulk truck or break-bulk



Request a sample — tell us your **application, target grade and monthly volume** and we will answer within two working days.



Arosha Powder · Qom, Iran

RAW MATERIAL, GRINDING AND PACKING ON ONE SITE

AROSHACARB® · Arosha Powder