

Glass Batch Feed

Fine, practically dust-free oolitic aragonite as the calcium carbonate source in soda-lime, container, flat and specialty glass batches.

TDS-GL-001

REV A

EFFECTIVE SEP 2026

< 0.01

% SILICA, SiO_2

0.01

% IRON OXIDE, Fe_2O_3

825

°C DECOMPOSITION

> 1.7

 M^2/G SURFACE AREA

1 • INTENDED APPLICATIONS

- Soda-lime container glass
- Flat glass
- Fibreglass and mineral wool
- Specialty, optical, laboratory and pharmaceutical glassware
- Partial or full limestone replacement in existing batches

Suitability for any particular process must be confirmed on a representative sample. Application rates and process performance are not specified by AragoCor.

2 • PARTICLE SIZE SPECIFICATION

GRADE	SIZING	STATUS	CLASSIFICATION RANGE
GL-CAL	< 0.1 mm	Published range	Screened from the natural commercial gradation
Custom	20-325 mesh	Customer specification required	Application-specific classification

The full screen size specification for the natural commercial grade is given in TDS-OA-001, section 5.

3 • RELEVANT CHEMISTRY

COMPONENT	VALUE	UNIT	METHOD	STATUS
Calcium carbonate, CaCO_3	96.17	% by wt	ASTM C 25	Representative analysis
Magnesium carbonate, MgCO_3	0.24	% by wt	ASTM C 25	Representative analysis
Silica, SiO_2	< 0.01	% by wt	ASTM C 25	Representative analysis
Iron oxide, Fe_2O_3	0.01	% by wt	ASTM C 25	Representative analysis
Aluminium oxide, Al_2O_3	0.10	% by wt	ASTM C 25	Representative analysis
Strontium carbonate, SrCO_3	1.43	% by wt	ASTM C 25	Representative analysis

Analysis by Bowser-Morner, Inc. (AASHTO/ISO 17025), report 124914A. Full composition, including published deposit ranges, is given in TDS-OA-001.

4 • PHYSICAL CHARACTERISTICS

PROPERTY	VALUE	UNIT	METHOD	STATUS
Specific gravity	2.93	—	—	Representative analysis
Mohs hardness	3.5-4	Mohs	—	Published range
Surface area	> 1.7	m^2/g	Keck Lab	Representative analysis
Crystal system	Orthorhombic	—	XRD	Representative analysis
Zeta potential	-6.65 to -33.85	mV	—	Published range
Moisture, as received	5-10	%	—	Published range

Characteristics, supply and quotation

5 • WHY THIS GRADE

CONSIDERATION	BASIS
Decomposition temperature	Aragonite decomposes at 825 °C against 1,339 °C for calcite, reducing the energy required to release calcium into the melt.
Calcination rate	Uniform spherical ooids with high micro-porosity and surface area accelerate calcination. Relative reactivity has been reported at up to 1.5 times that of limestone.
Batch consistency	Low decrepitation owing to the microcrystalline structure; the material flows and meters predictably.
Low colourants	Silica below 0.01% and iron oxide at 0.01% as measured. Iron and sulfur limits for colourless or optical batches should be confirmed against the lot certificate.

Custom classification

Process-specific batch sizing is available across the 100–325 mesh range (150–45 µm). Sizing outside the published GL-CAL band is supplied to customer specification.

6 • PACKAGING OPTIONS

FORMAT	DETAIL
Dry bulk	Vessel or bulk trailer
Super sack	Up to 3,000 lb
Bagged	From 1 lb
Distribution	Stockton, California

7 • INFORMATION REQUIRED FOR QUOTATION

- Required particle sizing or target specification
- Estimated annual volume
- Delivery destination — city, ZIP or port
- Intended process or application
- Packaging format
- Any standard or specification to be met

8 • QUALITY DOCUMENTATION AVAILABLE

DOCUMENT	CONTENT
Lot COA	Certificate of analysis issued for each dispatched lot
TDS-0A-001	Master technical data sheet — full composition, properties and sizing
CERT-0A-001	OMRI Listed® summary, product code avw-23214
PDS-0A-001	Manufacturing process — mechanical processing, no additives
SHS-0A-001	Occupational safety summary
SDS	16-section GHS Safety Data Sheet — consult before handling

Request a sample or bulk pricing

Send the grade, sizing, annual volume and destination and a sales engineer will respond with pricing and a freight estimate.

+1 (209) 487-0110
info@aragocorminerals.com

Values marked Representative analysis are measurements from an identified sample and describe material as tested. Values marked Published range are historical deposit ranges for dried, unwashed material. Neither constitutes a guaranteed minimum or maximum; a guaranteed specification is agreed in writing per contract and confirmed per lot by certificate of analysis. This information is offered for consideration, investigation and verification. It is not a warranty or representation of suitability for any particular application, nor permission to practise any patented invention.

REVISION HISTORY

REV	DATE	CHANGE
A	Sep 2026	First issue on approved values.

TECHNICAL SUPPORT

2453 Grand Canal Blvd, Suite 200
Stockton, CA 95207
+1 (209) 487-0110