

Agricultural Calcium

Fine granular oolitic aragonite for soil calcium, pH programs and fertilizer blending. OMRI Listed for certified organic production.

TDS-AG-001
REV A
EFFECTIVE SEP 2026

38.51

% ELEMENTAL CALCIUM

6.8

PH BUFFERING POINT

> 1.7

M²/G SURFACE AREA

avw-23214

OMRI PRODUCT CODE

1 • INTENDED APPLICATIONS

- Soil pH correction and calcium supply on carbonate-poor soils
- Calcium amendment where added alkalinity is acceptable
- Fertilizer blending and nutrient carrier
- Turf, golf-course and landscape top-dressing
- Horticultural and greens mixes
- Livestock and poultry ration calcium — custom classification

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
AG-CAL	0.2–0.5 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
Calcium, elemental	38.51	% by wt	ASTM C 25	Representative analysis
Calcium oxide, CaO	53.88	% by wt	ASTM C 25	Representative analysis
Magnesium carbonate, MgCO ₃	0.24	% by wt	ASTM C 25	Representative analysis
Sodium	0.21	% by wt	EPA 6010	Representative analysis
Silica, SiO ₂	< 0.01	% by wt	ASTM C 25	Representative analysis

Analysis by Bowser-Morner, Inc. (AASHTO/ISO 17025), report 124914A. Sodium by Precision Enviro-Tech (California ELAP #2387). 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
Buffering behaviour	Natural buffering point near pH 6.8. As carbonate dissolves and neutralises soil acid, pH rises and solubility falls, which limits the risk of over-liming.
Surface area without grinding	Surface area above 1.7 m ² /g in the natural grain size — equivalent to 100-mesh ground limestone, with no grinding step (TB-OA-001).
Dust behaviour	Grain size of 50–500 µm is large enough not to be wind-suspended, unlike powdered ground lime.
Organic status	OMRI Listed under NOP: Calcium Carbonate, use class Crop Fertilizers and Soil Amendments. Status Allowed, no restrictions. Listed 26 Jun 2026, expiring 1 Sep 2027.

Feed use

Feed-grade calcium carbonate is listed by the Association of American Feed Control Officials as feed ingredient 57.10, and calcium carbonate is recognised by the FDA as generally recognized as safe. Confirm particle-size requirements with the ration formulator; feed supply is subject to lot-specific certificate of analysis.

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