

Water Treatment and Alkalinity Media

Coarse granular oolitic aragonite for process-water remineralization, alkalinity management and carbonate aggregate duty.

TDS-WT-001
REV A
EFFECTIVE SEP 2026

96.17

% CaCO_3 , ASTM C 25

380

NTU TURBIDITY

6.8

PH BUFFERING POINT

2.93

SPECIFIC GRAVITY

1 • INTENDED APPLICATIONS

- Process-water remineralization and pH correction
- Pond preparation and aquaculture alkalinity management
- Acid-water neutralisation beds
- Carbonate aggregate for sewer and acidic environments
- Recirculating system alkalinity buffering

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
WT-CAL	1-3 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
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
Iron oxide, Fe_2O_3	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
Grain geometry	Spherical ooids with average sphericity 0.82 and roundness 0.87, giving a predictable pressure drop in packed beds.
Buffering behaviour	Natural buffering point near pH 6.8, with solubility falling as that point is approached.
Dissolution in cementitious matrices	Calcium carbonate sand dissolves at a rate similar to the surrounding matrix, producing more even mass loss than the sudden drop-out of silica aggregates (ADS-OA-005).
Turbidity	Measured at 380 NTU per API RP 56. Wash-water handling should be specified accordingly for clarity-sensitive duties.

Certification scope

AragoCor does not hold NSF/ANSI 61 or any potable-water contact certification. WT-CAL is not offered as a certified drinking-water contact media. Buyers whose application requires such certification should confirm the requirement before specifying this grade.

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-OA-001	Master technical data sheet — full composition, properties and sizing
CERT-OA-001	OMRI Listed® summary, product code avw-23214
PDS-OA-001	Manufacturing process — mechanical processing, no additives
SHS-OA-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