

# ALGACOL™ | Alga Manufacturing (Shandong) Co., Ltd.

Official Website: [www.algamfg.com](http://www.algamfg.com) | Export Director: Alex Gao ([alex@algamfg.com](mailto:alex@algamfg.com)) | WhatsApp: +86 139 2512 2895

## Shandong Sodium Alginate (E401), Dental Potassium Alginate (E402) & Acid-Stable PGA (E405) Dossier

**Executive Technical Summary:** Covers Liquid-Phase THA001 ( $\geq 900$  mPa.s), THA002 (400-700 mPa.s), Solid-Phase THB001, Dental/Cosmetic Potassium Alginate TPA001 (K<sub>2</sub>O 15-22%), and Propylene Glycol Alginate PGA (HV/MV/LV, Esterification  $\geq 40\%$ ).

| SKU Code        | Category / E-No.          | Key Laboratory Specifications                                                          | 2026 FOB Qingdao     |
|-----------------|---------------------------|----------------------------------------------------------------------------------------|----------------------|
| TSXL002         | Refined Carrageenan E407  | Custom High Gel, Moisture $\leq 12\%$ , Pb $\leq 2.0$ ppm, 120-200 Mesh                | \$7.60 - \$8.90/kg   |
| TKA001 / 002    | Refined Kappa E407        | Gel Strength $\geq 1500$ / $\geq 1200$ g/cm <sup>2</sup> , Acid-Insoluble $\leq 1.0\%$ | \$8.10 - \$9.80/kg   |
| TKI001          | Refined Iota E407         | Patent CN102174118B Elastic Freeze-Thaw Gel, Zero Syneresis                            | \$8.80 - \$10.50/kg  |
| TKB001          | Semi-Refined PES E407a    | Meat & 121C Retort Pet Food Grade, 1:50 Water Binding                                  | \$6.30 - \$7.40/kg   |
| THA001 / 002    | Sodium Alginate E401      | Liquid-Phase Viscosity $\geq 900$ / 400-700 mPa.s, Insoluble $\leq 0.6\%$              | \$7.50 - \$9.60/kg   |
| TPA001          | Potassium Alginate E402   | Dental Impression & Spa Mask Grade, K <sub>2</sub> O 15.0-22.0%                        | \$11.50 - \$15.80/kg |
| PGA HV/MV/LV    | PGA E405 (Acid Stable)    | Esterification $\geq 40\%$ , pH 3.4-4.1, Yogurt & Beer Foam Grade                      | \$12.50 - \$16.50/kg |
| TQA001 / TQB001 | Agar-Agar E406            | Gel Strength $\geq 900$ g/cm <sup>2</sup> & Low-Temp Instant Agar                      | \$9.90 - \$14.50/kg  |
| TSH-001 / 002   | Meat Compound System      | Brine Injection (Gel $\geq 500$ ) & Bowl Chopping (Gel $\geq 400$ )                    | \$6.50 - \$8.40/kg   |
| TSZ-001 to 008  | Vegan Gummy & Jelly       | $>60^\circ\text{C}$ Heat-Stable Vegan Gummy (TSZ-007) & Crystal Jelly (TSZ-002)        | \$6.80 - \$9.60/kg   |
| TSR-001 to 006  | Dairy, Ice Cream & Bakery | UHT Cocoa Suspension (0.02% Dosage), Frozen Dough & Soft Serve                         | \$6.70 - \$14.20/kg  |

### Commercial & Logistics Terms (Qingdao Port, Shandong, China):

- **Mixed 20' FCL Consolidation:** Combine any of our 37 SKUs (from 500 kg/SKU) into a 18–20 MT 20' FCL.

- **Free R&D Lab Samples:** 500g counter-samples dispatched within 48 hours via DHL/FedEx with batch COA, TDS, MSDS, Halal & Kosher certificates.
- **Direct Contact:** Alex Gao (Export Director) | Email: [alex@algamfg.com](mailto:alex@algamfg.com) | Web: <https://www.algamfg.com>