



Algae Biomass Exchange

June 2021 – Update

The Algae Biomass Exchange is a meeting place for qualified algae/seaweed producers and potential off-takers for Omega 3 EPA/DHA - astaxanthin, cosmetics, pigments, food, beverage mixes, animal feeds, biofertilizer and bioplastics.

Note: Samples and tonnage of algae biomass available with Certificates of Analysis.

REQUESTS FOR BIOMASS

Need: Algae with high starch content

Need: *Ascophyllum nodosum*

Need: *Asparagopsis taxiformis* and *Asparagopsis armata*

Need: *Aphanizomenon flos-aquae*

Need: *Arthrospira Platensis*

Need: Astaxanthin 400-1000kg Astaxanthin Oleoresin 10% and more

Need: Astaxanthin Oleoresin (10%)

Need: Astaxanthin Oleoresin 5% uncracked HP biomass astaxanthin (4%)

Need: Astaxanthin (1.5%)

Need: *Chlamydomonas*

Need: *Chlorella* - cracked wall cell

Need: *Chlorella* Powder

Need: *Chlorella* or *Spirulina* Fish Feed Grade

Need: Compounded thermoplastic resin pellets

Need: DHA 350mg per gram

Need: *Dunaliella salina*

Need: EPA 150mg per gram

Need: *Euglena Gracilis* - for extracted protein

Need: *Haematococcus pluvialis* – red color, greater than 10% concentration, plus not staining.

Need: *Isochrysis*

Need: *Nannochloropsis gaditana*

Need: *Nodosum* Seaweed – 3 metric tons of soluble powder

Need: Organic Spirulina Wet Paste 800 pounds per month
Need: Organic Spirulina Dry 500 Kilos/month
Need: Phaeodactylum biomass - tonnage
Need: Prophyridium extract (red), Prasinococcus capsualtus (green).
Need: Prasinococcus capsualtus (green).
Need: Red and/or Brown Macroalgae (100-200 lbs per week)
Need: N.salina, 12-15wt% slurry for research purpose (5 gallons)
Need: Sargassum muticum
Need: Schizochytrium heterotrophic microalgae rich in EPA or DHA
Need: Spirulina -- 800 lbs. of fresh Spirulina paste per month
Need: Spirulina Powder
Need: Spirulina 1,000 kg of food grade spirulina and 1,500 Kg feed grade – tonnage

- Need: **Spirulina producer looking to expand operations** exponentially and would consider purchasing farms of various sizes across the United States. Minimum production must be in excess of 1,500 Kilograms (3,300 pounds) a month. Interested in high quality Spirulina for human consumption whether it be fresh raw, frozen or dry powder.
- Need: Uncracked paste to ship frozen by ground. Can lead to a monthly purchase. Looking for existing commercial algae producers currently using closed-loop PBR's for turn-key opportunity with off-take contracts. Organism: Green algae or diatoms GMO: Yes Biomolecule produced by algae: CBD Output: Quantity: min 450mT per year DWT Percent dry: 5% water content Form: Powder Need: 1,000 metric tons annually of algae high in EPA. (without DHA and ARA).

AVAILABLE BIOMASS

Available: Organic Aphanizomenon flos-aquae
Available: Aquaculture feed grade Tisochrysis lutea, Chaetoceros muelleri, Thalassiosira weissflogii and Tetraselmis
Available: Asparagopsis taxiformis
Available: Astaxanthin Oleoresin 10%
Available: Astaxanthin Oleoresin 5%
Available: Astaxanthin Powder 5%
Available: Biomass-Powder from Haematococcus pluvialis with 5% Astaxanthin 2.000 kg available
Available: Astaxanthin Powder 5%
Available: Astaxanthin Powder 2%
Available: Botryococcus Braunii (type) B
Available: Chlorella – tonnage
Available: Chlorella powder & tablets - standard
Available: Chlorella powder & tablets - high vitamin B12
Available: Chlorella powder– non-broken cell

Available: Cold-Water-Dispersible beadlets from *Haematococcus pluvialis* with 2,5% Astaxanthin 300 kg

Available: DHA algal oil (550mg/g as FA) first quarter 2018

Available: DHA algal oil (350mg/g as FA)

Available: DHA Powder and Oil

Available: *Dunaliella Salina*

Available: *Euglena* powder - tonnage

Available: *Euglena* powder – non extracted powder

Available: Whole algae protein+EPA Omega-3 powder, EPA Omega-3 Crude Oil Extract

Available: *Nannochloropsis* - 4000 liters per month today, expanding to 150 metric tons

Available: *Haematococcus pluvialis* Oleoresin (10%) Astaxanthin

Available: *Haematococcus pluvialis* Oleoresin (5%) Astaxanthin

Available: *Haematococcus pluvialis* Oleoresin (5%) Astaxanthin - 100 kg Available

Available: *Haematococcus pluvialis* (Hp) Biomass (4%) Astaxanthin - One or more tons

Available: *Haematococcus pluvialis* (Hp) Biomass (4%) Astaxanthin

Available: *Haematococcus pluvialis* (Hp) Biomass (3%) Astaxanthin

Available: *Haematococcus pluvialis* (Hp) Biomass (3%) Astaxanthin - 250 kg Available

Available: *Haematococcus pluvialis* (Hp) Biomass (1.5% Astaxanthin)

Available: *Isochrysis*

Available: *Nannochloropsis* - 70 tons per year
(Protein content (on dry weight basis) is 45% and the lipid content 17 to 18%. EPA percentage is about 4% of the total dry weight (=35% of the fatty acids)

Available: *Nannochloropsis*_ sp. Powder 5 tons

Available: *Nannochloropsis gaditana* powder - 3,000 tons
(GMP+, ISO22000 and Kosher certified for food application)

Available: Oleoresin from *Haematococcus pluvialis* with 10% Astaxanthin 800 kg

Available: Oleoresin from *Haematococcus pluvialis* with 5% Astaxanthin 300 kg

Available: *Phaeodactylum* biomass

Available: *Sargassum* – seaweed with COA

Available: *Spirulina* Powder (Certified Organic)

Available: *Spirulina* (fresh and frozen)

Available: *Spirulina* - 60 tons per month

Available: *Spirulina* - 20 tons per month

Available: *Spirulina* - 60-65% protein - 3,000 tons per year

Available: *Spirulina* - 2 tons per month

Available: *Spirulina* - 5,000 + pounds a month. Powder raw, or frozen

Available: *Spirulina* Powders, compounds and foams)

Available: ULVA - seaweed with COA

Available: Algae biomass pellets - Compounded thermoplastic resin pellets (used for co-extrusion, coating)

Available: 1.2 - 1.5 tons of HP biomass containing roughly 40kgs of Astaxanthin
(Material is frozen, still needs cracked and dried)

Available: Feed grade biomass has minimum Astaxanthin potency of 4.5%

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