



Algae Biomass Exchange

March 2020 - 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.

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

REQUESTS:

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

**Needed: 1,000 metric tons annually of algae high in EPA.
(without DHA and ARA).**

Needed: Algae with high starch content

Needed: *Ascophyllum nodosum*

Needed: *Asparagopsis taxiformis* and *Asparagopsis armata*

Needed: *Aphanizomenon flos-aquae*

Needed: *Arthrospira Platensis*

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

Needed: Astaxanthin Oleoresin (10%)

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

Needed: Astaxanthin (1.5%)

Needed: *Chlamydomonas*

Needed: *Chlorella* - cracked wall cell

Needed: *Chlorella* Powder

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

Needed: Compounded thermoplastic resin pellets
Needed: DHA 350mg per gram
Needed: Dunaliella salina
Needed: EPA 150mg per gram
Needed: Isochrysis
Needed: Nannochloropsis gaditana
Needed: Organic Spirulina Wet Paste 800 pounds per month
Needed: Organic Spirulina Dry 500 Kilos/month
Needed: Phaeodactylum biomass - tonnage
Needed: Prophyridium extract (red), Prasinococcus capsuatus (green).
Needed: Prasinococcus capsuatus (green).
Needed: Red and/or Brown Macroalgae (100-200 lbs per week)
Needed: N.salina, 12-15wt% slurry for research purpose (5 gallons)
Needed: Sargassum muticum
Needed: Schizochytrium heterotrophic microalgae rich in EPA or DHA
Needed: Spirulina -- 800 lbs. of fresh Spirulina paste per month
Needed: Spirulina Powder
Needed: Uncracked paste to ship frozen by ground. Can lead to a monthly purchase.

AVAILABLE:

Available: Organic Aphanizomenon flos-aquae
Available: Aquaculture feed grade Isochrysis lutea, Chaetoceros muelleri, Thalassiosira weissflogii and Tetraselmis
Available: Astaxanthin Oleoresin 10%
Available: Astaxanthin Oleoresin 5%
Available: Astaxanthin Powder 5%
Available: Astaxanthin Powder 5%
Available: Astaxanthin Powder 2%
Available: Botryococcus Braunii (type) B
Available: Chlorella powder & tablets - standard
Available: Chlorella powder & tablets - high vitamin B12
Available: Chlorella Powder
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: Whole algae protein+EPA Omega-3 powder, EPA Omega-3 Crude Oil Extract
Available: Nannochloropsis - 4000 liters per month today, expanding to 150 metric tones
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: Phaeodactylum biomass
Available: Spirulina Powder (Certified Organic)
Available: Spirulina (fresh and frozen)
Available: Spirulina - 60 tons
Available: Spirulina - 60-65% protein - 3,000 tons per year
Available: Spirulina - 2 tons per month
Available: Spirulina Powders, compounds and foams
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%

Note: All biomass and oil samples available with Certificates of Analysis

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