

Materials List for:

Experimental Protocol for Biodiesel Production with Isolation of Alkenones as Coproducts from Commercial *Isochrysis* Algal Biomass

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Materials

| Name | Company | Catalog Number | Comments |
|-------------------------------|---------------------|------------------------------|--|
| <i>Isochrysis</i> | Reed Mariculture | Iso, Raw, Unprocessed, 20%dw | Live culture paste, 20% w/w biomass |
| <i>Isochrysis</i> | Necton, S.A | AADISS004 | PhytoBloom Prof Isochrysis (Freeze-dried) |
| Hexanes | Fisher Chemical | H291-4 | ACS Certified |
| Methanol | Fisher Chemical | A452-4 | HPLC Grade |
| Dichloromethane | Fisher Chemical | D37-4 | Certified/Stabilized |
| Soxhlet Apparatus | Sigma Aldrich | 64826 | |
| Extraction Thimble | Sigma Aldrich | 64842 | |
| Büchner Funnel | Chemglass | CG-1406-25 | |
| High Pressure Reaction Vessel | Chemglass | CG-1880-12 | |
| Whatman Filter Paper | GE Life Sciences | 1442-042 | Grade 42, Ash 0.007%, circle, 42.5 mm |
| Biodiesel (B100) | Bellingham Shell | | The biodiesel (B100) in Figure 3 was purchased at a local filling station: Bellingham Shell, Bellingham, WA 98226 |
| <i>Isochrysis</i> | Aquacave | | In addition to Reed and Necton, <i>Isochrysis</i> can also be purchased from Aquacave (Gurnee, IL) at: www.aquacave.com (accessed September 30, 2015). |
| <i>Isochrysis</i> | Brine Shrimp Direct | | <i>Isochrysis</i> can also be purchased from Brine Shrimp Direct (Ogden, UT) at: www.brineshrimpdirect.com (accessed September 30, 2015). |