

---

## Quality Assurance Standard Specifications Sheet

Product Name: Cocol  
Product Code: NA3199  
Contents: Natural Flavor  
Legal Status: FEMA GRAS# 3199  
FL No. 5.099  
Natural (EC) 1334/2008 Article 3(2)(c)  
Natural US 21 CFR 101.22  
CAS: 21834-92-4  
Hno: 2912.29.6090  
Storage Conditions: Cool dark area, <70 F. Purge with Nitrogen after each opening.  
Shelf Life: 12 months  
Appearance: Clear  
Liquid  
Color: Yellow  
Flavor/Odor: Cocoa / Cocoa  
Specific Gravity, 20°C: 0.968 - 0.978  
Refractive Index, 20°C: 1.53 - 1.535  
GC Purity: 96% minimum  
Flash Point °C (°F): 126 (258.8)  
Boiling Point °C (°F): 270 (518)  
Flavor Use: Chocolate, Cocoa, Honey, Molasses, Toffee, Vanilla, Nut and Tobacco flavors  
Use Level: 0.3 - 25 ppm as consumed  
Solubility: Alcohol, Oil, PG