



Quality Assurance Standard Specifications Sheet

Product Name: * Bitterness Blocker 12, (Grapefruit Bitterness Blocker)

Product Code: NA1112

Contents: Natural Flavor

Legal Status: FEMA GRAS# N. Ap.
GRAS, CFR 172.510
Natural (EC) 1334/2008 Article 3(2)(c)
Natural US 21 CFR 101.22
CAS: N. Ap.
Hno: 3302.10.1000

Storage Conditions: Cool dark area, <70 F. Purge with Nitrogen after each opening.

Shelf Life: 24 months

Appearance: Clear
Liquid

Color: Colorless to Light Yellow

Flavor/Odor: Woody Cubeb-Like Taste / Citrus

Specific Gravity, 20°C: 0.8664 - 0.9064

Refractive Index, 20°C: 1.4845 - 1.4885

GC Purity: Conforms to standard

Flash Point °C (°F): 76 (168.8)

Boiling Point °C (°F): 224 (435.2)

Flavor Use: Blocks Bitterness of Naringin and Limonin

Use Level: 1 - 4 ppm Consumed for Bitterness Blocking

Solubility: Alcohol, Oil, PG