



## **Natural Advantage, LLC**

1050 Cypress Creek Road • Oakdale, Louisiana 71463

318-215-1456 • fax 318-335-1579 • customerservice@natadv.com

### **QUALITY ASSURANCE STANDARD SPECIFICATIONS SHEET**

ITEM: **gamma - UNDECALACTONE, NATURAL**

PRODUCT CODE: NA3091

CONTENTS: Natural Flavor

DATE: 06/18/2020 supersedes 07/18/2019

LEGAL STATUS: FEMA GRAS# 3091  
Natural US 21 CFR 101.22, Kosher  
Natural (EC) 1334/2008 Article 3(2)(c)  
CAS: 104-67-6  
Hno: 2932.20.5050

STORAGE CONDITIONS: Cool dark area, <21C (< 70° F)  
Nitrogen Purge After Each Opening

SHELF LIFE: 12 Months

APPEARANCE: Clear Liquid

COLOR: Colorless to Slightly Yellow

FLAVOR/ODOR: Fruity, peach-like

SPECIFIC GRAVITY, 20°C (68°F): 0.9234 - 0.9634

REFRACTIVE INDEX, 20°C (68°F): 1.4473 - 1.4513

GC PROFILE: Conforms to standard

GC PURITY: 98% Minimum

FLASH POINT °C (°F): >110°C (>230°F)(CC)

**Our Quality Assurance Program includes  
Isotopic Testing of our starting materials.**