

## MATERIAL SPECIFICATION

### **gamma-UNDECALACTONE [ALDEHYDE C14], UL1110**

**Chemical Name:** Gamma-Undecalactone  
**CAS #** 104-67-6  
**FEMA #** 3091  
**FLAVIS #** 10.002

**Flash Point:** > 99 °C  
**Assay % (by GC)** 98.00 - 100.00 %  
**Appearance:** Colourless to pale yellow liquid  
**Odour:** Conforms to Riverside Aromatics internal standard.  
**Refractive Index @ 20C:** 1.4470 - 1.4540  
**Specific Gravity @ 20C:** 0.9440 - 0.9490  
**Shelf Life (Months):** 24. Nitrogen purge after each opening.