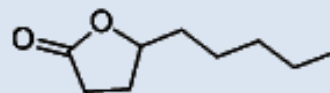


## PRODUCT SPECIFICATION

### GAMMA NONANOLACTONE NAT

<b>Code</b>	02106
<b>CAS</b>	104-61-0
<b>EINECS</b>	203-219-1
<b>FEMA No</b>	2781
<b>Structural Formula</b>	C <sub>9</sub> H <sub>16</sub> O <sub>2</sub>
<b>Molecular Weight</b>	156.22
<b>Tariff Number</b>	2932209090



#### SENSORY DATA

<b>Appearance</b>	Colorless to light yellow liquid
<b>Odor</b>	Like coconut aromas

#### ANALYTICAL DATA

Item	Standard
<b>Refractive Index (20°C)</b>	1.4460-1.4500
<b>Refractive Index (25°C)</b>	-
<b>Relative Density(20°C)</b>	-
<b>Relative Density(25°C)</b>	0.958-0.966
<b>Acid Value (KOH mg/g)</b>	≤2.0
<b>Melting Point(°C)</b>	-
<b>Water (%)</b>	-
<b>Optical Rotation(20°C)</b>	-
<b>Purity (%)</b>	≥98.0
<b>Solubility</b>	1ml full soluble in 60°C (V/V) ethanol 5 ml

#### OTHER DATA

<b>Flash Point</b>	235.00 °F
<b>Shelf Life</b>	12 months
<b>Storage Condition</b>	Store in a cool, dry, well-ventilated area away from incompatible substances. A refrigerated room would be preferable.
<b>Issue Date</b>	8/1/2018

This specification applies to the recommended conditions for the duration of the shelf life. The above specification is subject to change upon further notice. Specification revisions may be required by various factors including changing regulations and individual product characteristics.