(Nonanoic Acid CAS# 112-005-0)

Matrilox IP001M
(Pelargonic Acid)
Standard
Liquid

<table>
<thead>
<tr>
<th>PARAMETERS</th>
<th>SPECIFICATION</th>
<th>TEST METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance @ 20°C</td>
<td>Clear, Oily Liquid</td>
<td>Visual</td>
</tr>
<tr>
<td>Acid Value, mg KOH/g</td>
<td>345 – 355</td>
<td>ASTM D974-07</td>
</tr>
<tr>
<td>Iodine Value, g I2/100g</td>
<td>1.0 max</td>
<td>Method Wijs</td>
</tr>
<tr>
<td>Water Content (w/w), %</td>
<td>0.1 max</td>
<td>ASTM D1364</td>
</tr>
<tr>
<td>Specific Gravity @ 25°C</td>
<td>0.898 g/cm³</td>
<td>Internal Method</td>
</tr>
<tr>
<td>Viscosity @ 25°C, cSt</td>
<td>8.1</td>
<td>Internal Method</td>
</tr>
<tr>
<td>Monobasic Acid Content, %:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonanoic</td>
<td>98 min</td>
<td>GC</td>
</tr>
<tr>
<td>Other</td>
<td>2 max</td>
<td>GC</td>
</tr>
</tbody>
</table>

**Description:**
Matrilox IP001M (nonanoic acid) is a monocarboxylic acid naturally occurring in the oil of pelargonium. Through a unique, innovative and environmental friendly technology, Matrica is able to produce a nonanoic acid of high purity, starting from vegetable oils obtained from sustainable crops.

Matrilox IP001M is a fully European product.

Matrilox IP001M is used as an intermediate in the synthesis of bio-lubricants and it is also an important raw material for the production of bleaching agents and food fragrances.

In addition, Matrilox IP001M is a natural, full-spectrum herbicide and is used in the formulation of plant protection products.

**Handling and Storage:**
Matrilox IP001M is a corrosive material: corrosion-resistant equipment is required. For reactions at elevated temperatures, stainless steel (Type 316), glass or ceramic-lined vessels are recommended.

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances, sources of heat, light and sparks, flame and moisture.

Recommended storage temperature: 16 - 40°C.

Ensure that packaging is not damaged and well closed before use.

Matrilox IP001M is a corrosive product: for further information please refer to the Material Safety Data Sheet.

**Inquiries:**
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