



Fanavaran Petrochemical Company

**Certificate of Acid Acetic's Product**

<b>TEST</b>	<b>METHOD</b>	<b>RESULT</b>	<b>LIMIT(SPEC)</b>
<i>Appearance</i>	<i>MAP-SM111</i>	<i>Clear; free from matter in suspension</i>	<i>Clear; free from matter in suspension</i>
<i>Purity (WT %)</i>	<i>MAP-70014</i>	<i>Greater than 99.85</i>	<i>Min 99.85</i>
<i>Water (WT %)</i>	<i>ASTM-D1364</i>	<i>LESS THAN 0.15</i>	<i>Max 0.15</i>
<i>Formic ACID (WT %)</i>	<i>ASTM-D3546</i>	<i>LESS THAN 0.050</i>	<i>Max 0.050</i>
<i>Density@20°Ckg/lit</i>	<i>ASTM-D1298</i>	<i>1.048-1.051</i>	<i>1.048-1.051</i>
<i>Acetaldehyde (WT %)</i>	<i>ASTM-D2191</i>	<i>LESS THAN 0.02</i>	<i>Max 0.02</i>
<i>Permanganate Time@20C, hours</i>	<i>MAP-70019</i>	<i>Greater than 2 hours</i>	<i>Minimum 2 hours</i>
<i>Crystallization point</i>	<i>ASTM-D 1493</i>	<i>Greater than 16.35 °C</i>	<i>16.35 °C Min</i>
<i>Sulphates(as SO4)</i>	<i>MAP-70021</i>	<i>LESS THAN 1PPM</i>	<i>Max 1ppm</i>
<i>Chloride(as CL)</i>	<i>MAP-70020</i>	<i>LESS THAN 1PPM</i>	<i>Max 1ppm</i>
<i>Total Iron(ppm)</i>	<i>ASTM-E394</i>	<i>LESS THAN 1.0</i>	<i>Max 1.0</i>
<i>Propionic Acid (WT %)</i>	<i>M602.515</i>	<i>LESS THAN 0.010</i>	<i>Max 0.010</i>
<i>Non volatile matter (WT%)</i>	<i>ASTM-D1353</i>	<i>LESS THAN 0.003</i>	<i>Max 0.003</i>
<i>Heavy metals(as Pb)</i>	<i>Determination by Atomic Absorption</i>	<i>LESS THAN 0.5</i>	<i>Max 0.5ppm</i>
<i>Color(APHA)</i>	<i>ASTM-D1209</i>	<i>BELOW 10 APHA</i>	<i>Max 10APHA</i>

Sign: