

Product Name: NiQuan Naphtha Pure™



**NiQuan Energy**  
CLEAN ENERGY FUELING A CLEANER WORLD

Product Category: Low Carbon Naphtha

#### Description:

NiQuan Naphtha Pure™ is a highly paraffinic chemical feedstock/fuel blendstock. The paraffin content is typically 98%, which is considerably higher than the 65-75% of typical open-spec naphtha and the 85% of typical full-range naphtha. It is a lower carbon naphtha that can be used as raw materials in various industrial applications.

Essentially zero sulfur, with virtually no aromatics and negligible metallic contaminants, NiQuan Naphtha Pure™ is one of the most efficient liquid feedstocks for the cracking of ethylene offering higher yields and significantly reduced coking/fouling rates for furnace tubes during the cracking process.

NiQuan Naphtha Pure™ can be used as a gasoline blending component with the addition of ethanol as an octane booster. NiQuan Naphtha Pure™ ethanol blends function similarly to neat gasoline while offering lower emissions and some performance improvements. These gasoline blends perform similarly to conventional gasoline with a 90-octane rating and significantly reduce engine knocking.

NiQuan Naphtha Pure™ can be used to dilute heavy crude oil to reduce its viscosity and enable/facilitate transport and can also be used to clean metal.

#### NiQuan Naphtha Pure™ Specifications

Property	Unit	Min	Max	Typical (estimated)	Test Method
RVP	PSI		10.0	3-9	ASTM D5191 / ASTM D323
Gravity	API	Report			ASTM 287 / ASTM D1298 / ASTM D4052
Specific Gravity @ 15°C		0.63	0.75	0.7098	ASTM D1298 / ASTM D4052
Distillation					
IBP	°C	64	76	76	ASTM D86
10%	°C	98	120	102	ASTM D86
50%	°C	119	139	125	ASTM D86
90%	°C	135	155	143	ASTM D86
EP	°C	145	185	177	ASTM D86
RON				30-35	ASTM D2699
MON				30-35	ASTM D2700
Sulphur	ppm		8	1	ASTM D5453
Olefins	Vol %		10	3	ASTM D1319 or GC
Aromatics	Vol %		5	0	ASTM D1319 or GC
Paraffin	Vol %	90		97	ASTM D1319 or GC
Napthenes	Vol %				ASTM D1319 or GC
Benzene	Vol %				ASTM D1319 or GC
Copper Strip				1A	ASTM D130
Hydrogen Sulphide	ppm				GPA 2199