



HONDURAN GUM TURPENTINE

1. Gas Chromatographic Composition:

	APPROXIMATE %	TYPICAL
Alpha Pinene	72.1 - 78.1	74.2
Camphene	0.8 - 1.4	0.9
Beta Pinene	7.6 - 8.6	8.3
Myrcene	4.2 - 5.2	4.8
Other Terpenes	7.4 - 9.4	8.2
Alcohols	5.3 - 6.6	6.2
Residual	0.2 - 0.4	0.3

2. Distillation Range (+/- 0.5° C):

	APPROXIMATES	TYPICAL
0%	154.0 - 155.4	155.2
5%	156.5 - 156.8	156.7
10%	156.9 - 157.2	157.1
50%	158.4 - 158.7	158.5
90%	167.6 - 168.0	167.8
95%	178.7 - 179.1	178.9

3. Properties and Specifications:

Specific Gravity at 15.5/15.5° C	0.850 - 0.855
Refractive Index, 20° C	1.4655 - 1.4725
Specific Rotation	+3.5
Color	60 PC Units
Kauri Butanol Value	81.5 - 83.5
Flash Point	33.0 - 40.5° C (95 - 105° F)
Flammability Point	33° C (27° C Xylene)
Viscosity, 20° C	1.48 - 1.50 cps
Solubility Parameter	8.1 (8.8 Xylene)
Hydrogen Bond Index	3.8 (3.5 Xylene)
Evaporation Rate	45 (64 Xylene)
Residue After Evaporation	0.08 - 2.10%

Physical Properties in accordance with the methods for Sampling and Testing Turpentine
(ASTM - American Society for Testing and Materials).