



SAN JOAQUIN REFINING CO., INC.

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PRODUCT DATA SHEET

RAFFENE[®] **NAPHTHENIC BASE OILS** **Severely Solvent-Refined** (CAS No. 64741-96-4)

Property	ASTM Method	Typical Data			
		<u>200L</u>	<u>750L</u>	<u>1200L</u>	<u>2000L</u>
Viscosity, SUS @ 100F	D2161	199	876	1445	2034
Viscosity, SUS @ 210F	D2161	43.1	63.4	75.3	83.8
Viscosity, cSt @ 40C	D445	38.13	162.1	263.8	366.4
Viscosity, cSt @ 100C	D445	5.00	10.81	13.84	15.99
API Gravity	D287	23.9	21.2	21.0	18.9
Specific Gravity @ 60F	D1250	0.9106	0.9267	0.9279	0.9408
Density, lb/gal @ 60F	D1250	7.582	7.717	7.727	7.835
Color	D1500	2.5	3.0	3.5	L4.5
Flash, COC, F	D92	355	390	415	425
Pour Point, F	D97	-20	5	15	30
Aniline Point, F	D611	176	180	180	177
Refractive Index @ 20C	D1218	1.4957	1.5050	1.5048	1.5113
Viscosity-Gravity Constant	D2501	0.864	0.865	0.862	0.875
Clay-Gel Analysis, w%	D2007				
Asphaltenes		0	0	0	0
Polar Compounds		4	3	3	6
Aromatics		28	37	41	45
Saturates		68	60	56	49
Carbon-Type Analysis, %	D2140				
Ca		7	10	8	12
Cn		50	46	48	49
Cp		43	44	44	39

File: NBODATA-2004

Date: 04/12/04