



Crude **CONDENSATE SENIPAH**

Country Indonesia

TBP
DISTILLATION

Density at 15°C, kg/m3	779.4	Assay Date	01-Mar-16		°C	wt%	vol%	°C	wt%	vol%
°API	50.0				080	18.0	21.4	460	95.7	96.6
Bbl/mt	8.086				090	22.7	26.3	480	96.4	97.2
Acidity, mg KOH/g	0.03				100	28.6	32.4	500	97.0	97.7
Sulphur, wt%	0.031				120	39.4	43.3	520	97.5	98.1
Hydrogen Sulphide, mg/kg	1				140	49.4	53.3	540	98.0	98.5
Mercaptan Sulphur, mg/kg	4				160	61.6	65.3	560	98.4	98.8
Viscosity, cSt at 10 °C	1.7				180	70.2	73.6	580	98.7	99.1
	50 °C	1.0			200	73.6	76.8			
Pour Point, °C	-36				220	77.2	80.1			
Total Nitrogen, wt%	0.010				240	80.9	83.6			
Wax, wt%	3.1				260	84.2	86.6			
Wax Appearance Temperature, °C	-				280	86.7	88.8			
RVP at 37.8 °C, kPa	59				300	88.3	90.3			
Water, vol%	-				320	89.5	91.3			
NaCl, mg/kg	-				340	90.4	92.1			
Nickel, mg/kg	0.0				360	91.4	93.0			
Vanadium, mg/kg	0.0				380	92.3	93.8			
Iron, mg/kg	-				400	93.2	94.5			
Mercury, µg/kg	-				420	94.1	95.3			
					440	94.9	96.0			

PROPERTIES OF TBP CUTS

LIGHT NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH	RON	MON			Napht.	Aro.	RVP			
	°C	wt%	vol %	kg/m3	wt%	mg/kg	clear	clear			vol%	vol%	kPa			
	15-65	9.52	11.25	653	0.0020	2	87.5	81.3			6.4	0.3	133.15			
	15-80	14.34	16.40	675	0.0025	4	89.1	81.8			14.9	1.0	103.54			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	37.36	37.80	763	0.0081	6					46.2	13.2				
80-175	50.91	50.95	772	0.0100	6					46.4	13.3					
100-150	26.75	26.79	771	0.0094	6					46.9	16.4					
KEROSENE	Cuts	Yield	Yield	Den 15°C	S	RSH	Smoke	Acidity	Cetane	Freez. Pt		Aro.	Visc cSt			Flash
	°C	wt%	vol %	kg/m3	wt%	mg/kg	Pt mm	mgKOH/g	Index	°C		vol%	50°C			Point
	150-230	23.69	22.68	807	0.018	7	15	0.03	31.4	-63		11.4	1.3			49.3
	175-230	10.14	9.53	822	0.021	7	16	0.03	35.4	-52		8.6	1.4			68.2
150-250	27.30	25.98	811	0.021	7	15	0.03	32.3	-59		10.9	1.3			50.7	
GASOIL	Cuts	Yield	Yield	Den 15°C	S		Anilin		Cetane	Cloud Pt	CFPP	Pour Pt	Visc cSt	Visc cSt	UOPK	Flash
	°C	wt%	vol %	kg/m3	wt%		Point °C		Index	C	C	C	50°C	100°C		Point
	175-400	24.32	22.20	846	0.053		63		42.7	-14	-18	-23	2.2	1.1	11.6	78.8
	230-400	14.19	12.67	865	0.077		68		46.3	-3	-4	-6	3.3	1.4	11.6	98.8
230-375	13.04	11.68	862	0.074		67		45.7	-8	-10	-11	3.0	1.3	11.6	97.9	
VACUUM DISTILLATE	Cuts	Yield	Yield	Den 15°C	S	Conrad.	Anilin	Ni	Va	Total N	Bas N	Pour Pt	Visc cSt	Visc cSt	UOPK	Asp C7
	°C	wt%	vol %	kg/m3	wt%	wt%	Point °C	mg/kg	mg/kg	wt%	mg/kg	C	100°C	150°C		wt %
	375-550	6.15	5.11	930	0.13	0.2	81	0	0	0.023	98	48	6.5	2.5	11.7	0.0
	375-565	6.43	5.32	933	0.13	0.3	82	0	0	0.024	107	48	6.9	2.7	11.7	0.1
	375-580	6.67	5.51	935	0.14	0.4	82	0	0	0.026	116	49	7.3	2.8	11.7	0.1
400-580	5.53	4.53	943	0.14	0.5	82	0	0	0.030	137	51	8.8	3.2	11.7	0.1	
RESIDUE	Cuts	Yield	Yield	Den 15°C	S	Conrad.	Acidity	Ni	Va	Total N		Pour Pt	Visc cSt	Visc cSt	Pene	Asp C7
	°C	wt%	vol %	kg/m3	wt%	wt%	mgKOH/g	mg/kg	mg/kg	wt%		C	100°C	150°C	mm/10	wt%
	> 375	7.93	6.44	951	0.17	3.1	0.0	0	0	0.057		18	13	4	-	0.3
	> 550	1.78	1.34	1029	0.30	13.1	0.0	2	1	0.177		67	754	61	58	1.3
	> 565	1.50	1.12	1037	0.31	15.0	0.0	2	1	0.198		73	1550	97	32	1.5
> 580	1.26	0.93	1044	0.33	17.2	0.0	3	1	0.222		79	3460	160	20	1.6	

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TOTAL DTS / AM

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