



Crude **FLOTTA GOLD**

Country United Kingdom

TBP
DISTILLATION

Density at 15°C, kg/m3	843.1	Assay Date	23-Feb-21	°C	wt%	vol%	°C	wt%	vol%
°API	36.3			080	8.3	11.2	460	74.9	78.3
Bbl/mt	7.474			090	9.6	12.7	480	77.6	80.8
Acidity, mg KOH/g	0.10			100	11.0	14.3	500	80.1	83.0
Sulphur, wt%	0.63			120	14.6	18.4	520	82.4	85.1
Hydrogen Sulphide, mg/kg	1			140	18.7	22.9	540	84.5	87.0
Mercaptan Sulphur, mg/kg	13			160	22.4	26.9	560	86.5	88.7
Viscosity, cSt at 10 °C	10.8			180	25.4	30.1	580	88.2	90.2
50 °C	3.6			200	28.4	33.3			
Pour Point, °C	-15			220	31.7	36.7			
Total Nitrogen, wt%	0.11			240	35.3	40.3			
Wax, wt%	-			260	39.1	44.1			
Wax Appearance Temperature, °C	-			280	42.9	48.0			
RVP at 37.8 °C, kPa	-			300	46.9	51.9			
Water, vol%	-			320	50.8	55.7			
NaCl, mg/kg	-			340	54.7	59.5			
Nickel, mg/kg	4.6			360	58.4	63.1			
Vanadium, mg/kg	6.8			380	62.1	66.5			
Iron, mg/kg	1.6			400	65.6	69.8			
Mercury, µg/kg	-			420	68.9	72.8			
				440	72.0	75.7			

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	4.2	5.5	647	0.00	3	72.0	70.6			6.9	0.4	-			
	15-80	5.6	7.2	661	0.00	5	69.0	67.3			13.0	1.3	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	12.3	13.8	749	0.00	12					45.7	8.2				
80-175	16.3	18.1	757	0.01	12					46.1	9.3					
100-150	9.7	10.7	756	0.01	12					47.1	8.9					
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	12.8	13.5	801	0.08	14	25	0.03	40.3	-57		16.4	1.0			56.1
	175-230	8.9	9.2	809	0.10	15	23	0.03	41.6	-51		18.0	1.1			69.8
150-250	16.5	17.2	807	0.11	14	24	0.03	42.3	-51		17.5	1.1			59.4	
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	40.9	40.5	849	0.44		67		50.1	-1	-6	-10	2.8	1.3	11.8	83.6
	230-400	32.1	31.3	861	0.53		70		52.9	2	0	-2	3.9	1.7	11.8	106.7
230-375	27.7	27.2	856	0.49		69		53.1	-3	-5	-7	3.3	1.5	11.8	105.0	
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	24.3	22.2	920	0.95	0.2	84	0	0	0.15	459	40	9.1	3.4	11.9	0.1
	375-565	25.7	23.4	922	0.97	0.3	85	0	0	0.15	483	40	9.7	3.6	11.9	0.1
	375-580	27.0	24.6	924	0.98	0.4	85	0	1	0.16	507	41	10.4	3.8	11.9	0.1
400-580	22.7	20.5	929	1.02	0.4	86	1	1	0.18	564	44	13.1	4.5	11.9	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	38.8	34.3	949	1.25	5.5	0.2	12	18	0.28		35	28	8	-	0.8
	> 550	14.5	12.1	1001	1.76	14.5	0.2	31	47	0.51		49	597	62	207	2.1
	> 565	13.1	10.9	1007	1.81	15.9	0.2	34	51	0.53		50	862	78	170	2.3
> 580	11.8	9.8	1012	1.86	17.4	0.2	38	56	0.56		51	1290	102	144	2.5	

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TOTAL DTS / AM

Jul-21