

## Crude Summary Report

General Information		Molecules (%wt on crude)										Whole Crude Properties			
Reference:	PAZFL26Y	methane + ethane	0.00	Density @ 15°C (g/cc)	0.8862										
Name:	Pazflor	propane	0.12	<b>API Gravity</b>	<b>28.1</b>										
Origin:	Angola	isobutane	0.09	Total Sulfur (% wt)	0.34										
Assay Date:	3/27/2026	n-butane	0.27	Pour Point (°C)	-50										
Comments:		isopentane	0.26	Viscosity @ 20°C (cSt)	25.0										
		n-pentane	0.40	Viscosity @ 40°C (cSt)	14.4										
		cyclopentane	0.08	Nickel (ppm)	16.3										
		C6 paraffins	1.05	Vanadium (ppm)	6.5										
		C6 naphthenes	0.87	Total Nitrogen (ppm)	1939										
		benzene	0.09	Total Acid Number (mgKOH/g)	1.05										
		C7 paraffins	1.16	Mercaptan Sulfur (ppm)	4.4										
		C7 naphthenes	1.68	Hydrogen Sulfide (ppm)	0.6										
		toluene	0.25	Reid Vapor Pressure (kPa)	21.7										

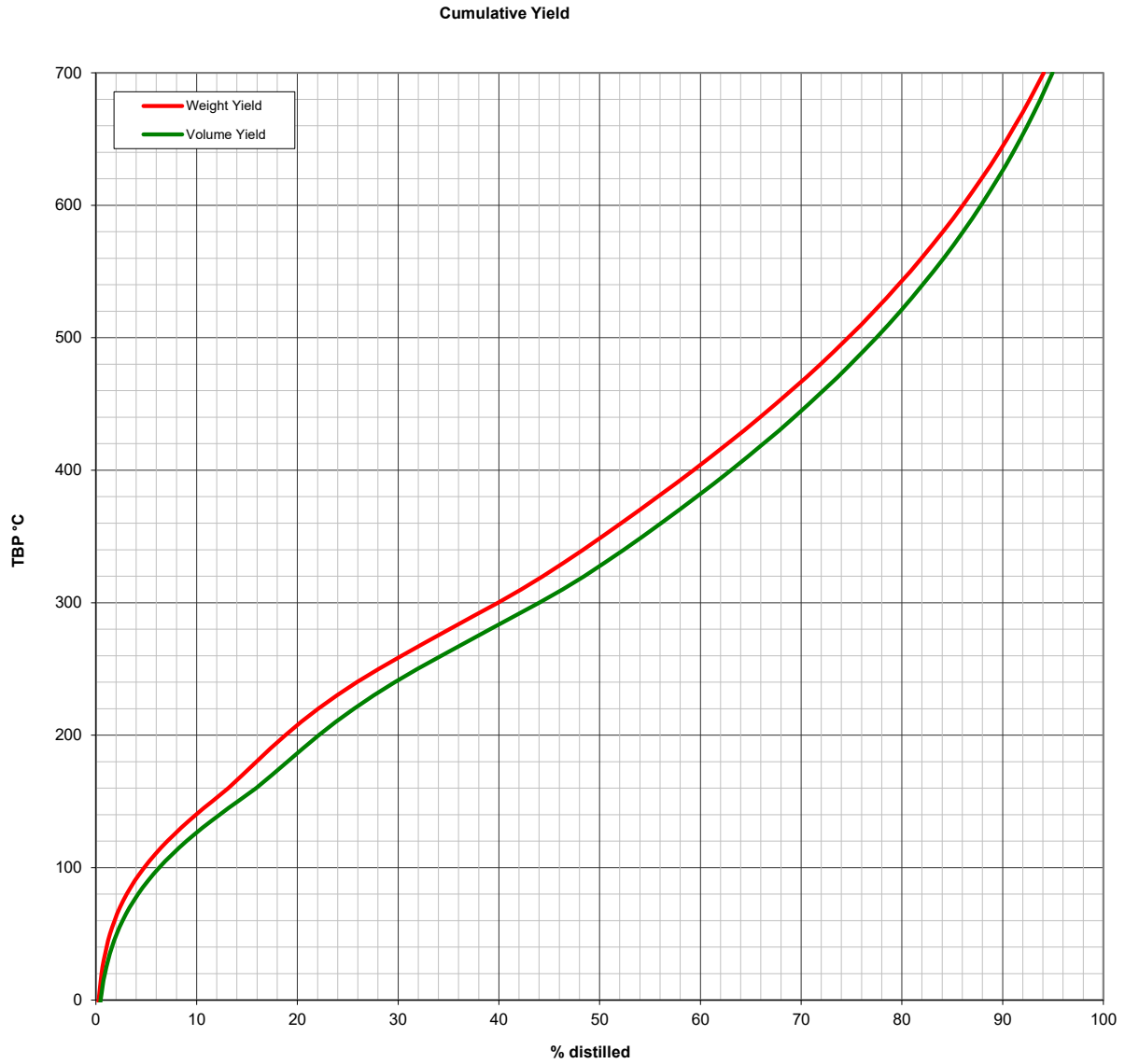
  

Cut Data		Atmospheric Cuts										Vacuum Cuts			
Start (°C)	IBP	IBP	C5	65	100	150	200	250	300	350	370	370	450	500	550
End (°C)	FBP	C4	65	100	150	200	250	300	350	370	FBP	450	500	550	FBP
Yield (% wt)		0.5	1.6	2.7	6.7	7.3	9.3	11.8	10.4	3.7	46.0	13.5	7.2	6.2	19.2
Yield (% vol)		0.8	2.2	3.3	7.8	8.0	9.8	12.1	10.3	3.6	42.1	12.9	6.7	5.7	16.9
Cumulative Yield (% wt)		0.5	2.1	4.8	11.5	18.8	28.1	39.9	50.3	54.0	100.0	67.5	74.7	80.8	100.0
Volume Average B.P. (°C)	354	44.3	84	127	174	227	275	324	360	534	409	474	524	658	
Density @ 15°C (g/cc)	0.8862	0.6484	0.7205	0.7644	0.8020	0.8381	0.8669	0.8929	0.9092	0.9680	0.9285	0.9510	0.9636	1.0063	
API Gravity	28.1	86.7	64.9	53.6	44.9	37.3	31.6	26.9	24.1	14.6	20.8	17.2	15.3	9.0	
UOPK	11.75			11.72	11.60	11.51	11.48	11.47	11.48	11.70	11.53	11.60	11.70	11.80	
Molecular Weight (g/mol)				110	136	169	204	245	279	522	331	424	535	1019	
Total Sulfur (% wt)	0.34	0.001	0.004	0.016	0.042	0.073	0.122	0.247	0.339	0.60	0.390	0.463	0.55	0.82	
Mercaptan Sulfur (ppm)	4.4		3.3	4.6	4.7	5.5	4.6								
Total Nitrogen (ppm)	1939					6	39	189	418	4126	914	1860	2786	7667	
Basic Nitrogen (ppm)	603					1	5	25	78	1298	338	828	1136	2202	
Total Acid Number (mgKOH/g)	1.05	0.00	0.01	0.02	0.05	0.16	0.55	1.34	1.89	1.64	2.45	2.71	2.17	0.49	
Viscosity @ 20°C (cSt)	25.0					1.29									
Viscosity @ 40°C (cSt)	14.4					0.98	1.64	3.13	7.38	16.2					
Viscosity @ 50°C (cSt)	11.4						1.41	2.56	5.61	11.4	1059	33.8	167	596	
Viscosity @ 60°C (cSt)											507	22.6	95.6	303	
Viscosity @ 100°C (cSt)											60.3	6.93	19.1	42.7	2305
Viscosity @ 130°C (cSt)															367
Viscosity @ 150°C (cSt)															146
RON (Clear)		76.8	48.5	62.9	47.5										
MON (Clear)		75.9	64.9	61.6	43.3										
Paraffins (% wt)	17.8	93.8	53.0	30.8	35.5										
Naphthenes (%wt)	36.3	6.2	44.0	57.6	45.6										
Aromatics (% wt)	45.9	0.0	2.9	11.6	18.9										
Pour Point (°C)	-50						-68	-43	-11	4	33	19	34	43	57
Cloud Point (°C)							-67	-41	-9						
Freeze Point (°C)							-78	-59	-34						
Smoke Point (mm)							24	19	15						
Cetane Index (D4737A)							33	38	42	46	49				
Naphthalenes (% vol)							0.2	3.2	7.5	9.5					
Aniline Point (°C)				48.3	51.0	56.6	61.3	65.5	68.6			73.1	79.4	84.1	
Hydrogen (% wt)	12.8	16.4	15.1	14.2	13.9	13.0	13.1	12.6	12.4			12.2	12.0	12.0	
Total Wax (% wt)	4.2										3.9	7.5	6.3	3.9	0.4
C7 Asphaltenes (% wt)	0.5										1.2	0.0	0.0	2.8	
Micro Carbon Residue (% wt)	3.8										8.2	0.1	1.1	19.3	
Vanadium (ppm)	6.5										14.0	0.0	0.0	33.7	
Nickel (ppm)	16.3										35.3	0.0	0.0	84.8	
Iron (ppm)	7.2										15.7	0.0	0.0	37.8	
Sodium (ppm)	0.9														
Mercury (ppb)	0.0														
Arsenic (ppb)	123														

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Reference: **PAZFL26Y**  
 Crude: **Pazflor**

## Yield Distribution



**Cumulative Volume % Distilled at 10 Degree C (TBP) Intervals**

	0	10	20	30	40	50	60	70	80	90
0				1.2	1.6	2.1	2.6	3.4	4.2	5.2
100	6.3	7.6	9.0	10.6	12.3	14.1	15.9	17.5	19.0	20.5
200	22.1	23.8	25.6	27.6	29.7	31.9	34.3	36.7	39.1	41.6
300	44.0	46.3	48.5	50.5	52.4	54.3	56.1	57.9	59.7	61.4
400	63.0	64.7	66.3	67.8	69.3	70.8	72.2	73.6	74.9	76.2
500	77.5	78.7	79.8	81.0	82.1	83.1	84.1	85.1	86.1	87.0