

Independent petroleum cargo surveyors

Proficiency Testing Scope

S N	Parameter	PT Scheme					
		Crude Oil	Fuel Oil	Gas Oil	Gasoline	Kerosene	Naphtha
1.	API Gravity	✓	✓	✓	✓	✓	✓
2.	Ash Content	✓	✓	✓			
3.	Asphaltenes	✓	✓				
4.	Atmospheric Distillation			✓	✓	✓	✓
5.	Bromine Index	✓	✓	✓			
6.	Bromine Number	✓	✓	✓			
7.	BS&W	✓	✓	✓	✓	✓	✓
8.	Calculated Cetane Index			✓			
9.	Carbon Disulphide						✓
10.	Carbon Residue	✓	✓	✓			
11.	Compatibility		✓				
12.	Cloud Point			✓		✓	
13.	Cold Filter Plugging Point			✓			
14.	Color			✓		✓	✓
15.	Copper Corrosion		✓	✓	✓	✓	✓
16.	Density @15 °C	✓	✓	✓	✓	✓	✓
17.	Doctor Test				✓		✓
18.	Existent Gum				✓	✓	✓
19.	Flash Point		✓	✓		✓	
20.	Freezing Point					✓	
21.	Heat of combustion		✓	✓			
22.	Hydrogen Sulfide	✓	✓		✓		✓
23.	Kin. Viscosity	✓	✓	✓		✓	
24.	Lubricity			✓			
25.	Mercaptan Sulfur	✓			✓	✓	✓
26.	Nitrogen Content	✓	✓	✓	✓	✓	✓
27.	Organic Chlorides	✓	✓		✓		✓
28.	Oxidation Stability			✓	✓		

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29.	Oxygen Content				✓		✓
30.	P-Value	✓	✓				
31.	PIONA / PONA / PNA				✓		✓
32.	Pour Point	✓	✓	✓		✓	
33.	Salt as Chloride	✓					
34.	Sulfur Content	✓	✓	✓	✓	✓	✓
35.	Toluene		✓				
36.	Total Acid Number	✓	✓	✓	✓	✓	✓
37.	Total Chlorine	✓	✓	✓	✓	✓	✓
38.	Total Sediment by Extraction	✓	✓				
39.	Total Sediment Accel. (TSA)		✓				
40.	Total Sediment Existent (TSE)		✓				
41.	Total Sediment Potential (TSP)		✓				
42.	Vacuum Distillation at 10mmHg		✓				
43.	Vapor Pressure (Reid Method)	✓			✓	✓	✓
44.	Water by Distillation	✓	✓				
45.	Water by Karl Fischer	✓	✓	✓			
46.	Wax Content		✓	✓			
47.	Xylene		✓				
*	Oxygenates						
48.	Acetone						✓
49.	DIPE				✓		✓
50.	ETBE				✓		✓
51.	Ethanol				✓		✓
52.	Iso-Butyl & tert-Butyl & s-Butyl alcohol				✓		✓
53.	n-Butyl alcohol				✓		✓
54.	Iso-Propyl & n-Propyl alcohol				✓		✓

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55.	MEK						✓
56.	Methanol				✓		✓
57.	MTBE				✓		✓
58.	TAME				✓		✓
59.	Other Oxygenated Compounds				✓		
60.	Total Oxygenates				✓		✓
*	Elements						
61.	Aluminum as Al		✓	✓			
62.	Silicon as Si		✓	✓			
63.	Total Aluminum + Silicon		✓	✓			
64.	Iron as Fe		✓	✓			
65.	Nickel as Ni		✓	✓			
66.	Sodium as Na		✓	✓			
67.	Vanadium as V		✓	✓			
68.	Calcium as Ca		✓	✓			
69.	Phosphorus as P		✓	✓			
70.	Zinc as Zn		✓	✓			
71.	Arsenic as AS				✓		✓
72.	Manganese as Mn			✓	✓		✓
73.	Mercury as Hg	✓			✓		✓
74.	Lead as Pb				✓		✓