

# 3.8

## 3 Petroleum, Food & Biodiesel Standards

### 3.8 Petroleum Physical Test Standards

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# ASTM D-445

## Viscosity Reference Standards

### Viscosity reference

Viscosity reference	23000 cSt 40°C	500 ml	CL11.2245.0500
Viscosity reference	18000 cSt 40°C	500 ml	CL11.2232.0500
Viscosity reference	13000 cSt 40°C	500 ml	CL11.2231.0500
Viscosity reference	10000 cSt 40°C	500 ml	CL11.2228.0500
Viscosity reference	6700 cSt 40°C	500 ml	CL11.2247.0500
Viscosity reference	5100 cSt 40°C	500 ml	CL11.2241.0500
Viscosity reference	3400 cSt 40°C	500 ml	CL11.2238.0500
Viscosity reference	2500 cSt 40°C	500 ml	CL11.2235.0500
Viscosity reference	1600 cSt 40°C	500 ml	CL11.2223.0500
Viscosity reference	1400 cSt 40°C	500 ml	CL11.2230.0500
Viscosity reference	920 cSt 40°C	500 ml	CL11.2218.0500
Viscosity reference	750 cSt 40°C	500 ml	CL11.2244.0500
Viscosity reference	521 cSt 40°C	500 ml	CL11.2222.0500
Viscosity reference	520 cSt 40°C	500 ml	CL11.2217.0500
Viscosity reference	410 cSt 40°C	500 ml	CL11.2239.0500
Viscosity reference	300 cSt 40°C	500 ml	CL11.2216.0500
Viscosity reference	2.93 cSt 40°C	500 ml	CL11.2219.0500
Viscosity reference	250 cSt 40°C	500 ml	CL11.2234.0500
Viscosity reference	181 cSt 40°C	500 ml	CL11.2221.0500
Viscosity reference	130 cSt 40°C	500 ml	CL11.2215.0500
Viscosity reference	110 cSt 40°C	500 ml	CL11.2214.0500
Viscosity reference	102 cSt 40°C	500 ml	CL11.2213.0500
Viscosity reference	0.97 cSt 40°C	500 ml	CL11.2227.0500
Viscosity reference	9.5 cSt 40°C	500 ml	CL11.2210.0500
Viscosity reference	7.5 cSt 40°C	500 ml	CL11.2242.0500
Viscosity reference	75 cSt 40°C	500 ml	CL11.2243.0500
Viscosity reference	5.7 cSt 40°C	500 ml	CL11.2246.0500
Viscosity reference	54 cSt 40°C	500 ml	CL11.2212.0500
Viscosity reference	54 cSt 40°C	500 ml	CL11.2224.0500
Viscosity reference	44 cSt 40°C	500 ml	CL11.2240.0500
Viscosity reference	4.0 cSt 40°C	500 ml	CL11.2237.0500
Viscosity reference	30 cSt 40°C	500 ml	CL11.2211.0500
Viscosity reference	25 cSt 40°C	500 ml	CL11.2236.0500
Viscosity reference	2.0 cSt 40°C	500 ml	CL11.2233.0500
Viscosity reference	18 cSt 40°C	500 ml	CL11.2220.0500
Viscosity reference	14 cSt 40°C	500 ml	CL11.2229.0500
Viscosity reference	0.6 cSt 40°C	500 ml	CL11.2226.0500

## ASTM D-445 Viscosity Reference Standards

Viscosity reference	0.4 cSt 40°C	500 ml	CL11.2225.0500
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## ASTM D-1015, D-2386 and D-5972 Freezing Point Certified Reference Materials

### Freezing point

Freezing point	Nominal Freezing Point: -45°C	250 ml	CL11.0626.0250
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## ASTM D-97 Pour Point Certified Reference Materials

### Pour point

Pour point	Nominal Pour Point: -5°C	250 ml	CL11.1620.0250
Pour point	Nominal Pour Point: -10°C	250 ml	CL11.1621.0250
Pour point	Nominal Pour Point: -15°C	250 ml	CL11.1622.0250
Pour point	Nominal Pour Point: -20°C	250 ml	CL11.1623.0250
Pour point	Nominal Pour Point: -40°C	250 ml	CL11.1624.0250
Pour point	Nominal Pour Point: -50°C	250 ml	CL11.1625.0250

## ASTM D-86 Synthetic Distillation Standards

### Synthetic distillation

Synthetic distillation	Boiling range 54°C to 187°C	250 ml	CL11.1907.0250
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## ASTM D-644 and IP177 Total Acid Number (TAN) Reference Materials

### TAN reference

TAN reference	3,0 mg KOH / g	50 g	CL11.2007.0050
TAN reference	2,5 mg KOH / g	50 g	CL11.2006.0050
TAN reference	2,0 mg KOH / g	50 g	CL11.2005.0050
TAN reference	1,5 mg KOH / g	125 g	CL11.2004.0125
TAN reference	1,0 mg KOH / g	125 g	CL11.2003.0125
TAN reference	0,5 mg KOH / g	100 g	CL11.2002.0100
TAN reference	0,1 mg KOH / g	125 g	CL11.2001.0125

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## ASTM D-4739 and IP276 Total Base Number (TBN) Reference Materials

### TBN reference

TBN reference	70,0 mg KOH / g	50 g	CL11.2013.0050
TBN reference	40,0 mg KOH / g	50 g	CL11.2012.0050
TBN reference	30,0 mg KOH / g	50 g	CL11.2011.0050
TBN reference	15,0 mg KOH / g	50 g	CL11.2010.0050
TBN reference	10,0 mg KOH / g	100 g	CL11.2009.0100
TBN reference	6,0 mg KOH / g	50 g	CL11.2008.0050



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