



# U. S. Oil & Refining Co.

3001 Marshall Avenue, Tacoma, Washington, 98421 (253) 383-1651

## Gasoline Product Specification

<u>Properties</u>	<u>ASTM Method</u>	<u>Specifications</u>	
		<u>Min</u>	<u>Max</u>
Sulfur, ppmw.....	D 5453.....		80
Mercaptan, Doctor .....	D 4952.....		Negative <sup>1</sup>
Corrosion, Copper, 3h@50°C, class....	D 130.....		1B
Corrosion, Silver Strip, class .....	D4814, A1 .....		1
Oxidation Stability, minutes... ..	D 525.....	240	
Lead Alkyl Content g/L (g/ US gal). .EPA <sup>2</sup> .....			0.013 (0.05)
Gum Content, washed, mg/100 mL ..D 381.....			5
<u>Seasonal Properties:</u>			
Vapor pressure (RVP), kPa (psi).....	D 5191-01 .....		62-103 (9.0-15.0)
Distillation, °C (°F)....	D 86		
10%... ..			50-70 (122-158)
50% .....			110-121 (230-250)
90%... ..			185-190 (365-374)
<u>Product Octane Grades:</u>			
Antiknock Index, (R+M)/2 .....	D2699, D2700		
Premium grade .....			92.0
Mid-grade.....			89.0
Regular grade.....			87.0

This material may contain up to 10 volume % ethanol.

- 1) The doctor test "negative" requirement may be waived if the gasoline has a mercaptan sulfur content, D 3227, no greater than 20 ppmw and a merchantable odor.
- 2) EPA 40CFR80, App. B.