

**NEP Grade 87.0 Regular Unleaded Export Gasoline Specifications**

(This fuel is for export from the United States only)

Product Property	Method	Minimum	Maximum	Deliveries <sup>1/</sup>
Gravity, °API	D287		Report	
Color			Undyed	
RVP <sup>2/</sup>				
Distillation	D86	<u>Class A</u>	<u>Class B</u>	<u>Class C</u>
10% Evaporated °F, max		158	149	140
50% Evaporated °F, min		170	170	170
50% Evaporated °F, max		250	245	240
90% Evaporated °F, max		374	374	365
Final Boiling Point °F, max		430	430	430
Residue, vol% max		2	2	2
Drivability Index, max		1250	1240	1230
		<u>Class 1</u>	<u>Class 2</u>	<u>Class 3</u>
Vapor Liquid Ratio °F, min	D5188	129	122	116
Benzene, vol %	D3606		2.0	
Mercaptan Sulfur, wt % <sup>3/</sup>	D3227		0.002	
Copper Corrosion	D130		1	
Silver Corrosion	D7667,7671		1	
Gum, Existent, mg/100 ml	D381		4	5
Oxidation Stability, minutes	D525	240		
Phosphorus, g/gal	D3231		0.003	0.005
Lead, g/gal	D3237		0.010	0.05
Octane				
RON	D2699		Report	
MON	D2700	82.0		
Report (R+M)/2		87.0		
Sulfur, ppm	D2622		80	
Oxygenates, vol %	D4815, D5599		0.05	
Haze Rating <sup>4/</sup>	D4176		2	3
NACE Corrosion	TM0172, D7548	B+		
Odor <sup>5/</sup>			Nonoffensive	

**NEP Grade 87.0 Regular Unleaded Export Gasoline Specifications (continued)**

**Foot Notes:**

- 1/ Delivered products meet all applicable requirements at time and place of delivery.
- 2/ Refer to Seasonal Gasoline Volatility Schedule.
- 3/ Mercaptan Sulfur determination is waived if the result of the Doctor Test ASTM D4952 is negative.
- 4/ Compliance with ASTM D4176 will be determined using Procedure 2 at the following temperatures, adjusted seasonally:

February 16 – September 30	55 °F max
October 1– February 15	45 °F max
- 5/ Any gasoline exhibiting an offensive odor and/or containing more than 0.30 wt % dicyclopentadiene will not be accepted for shipment.
- 6/ Values below the detectible limit of an approved method may be reported as a zero value.

**Notes:**

- All parameters must be met without blending of denatured fuel ethanol unless noted.
- Fuel shall comply with the exemptions for export fuels as listed in 40 CFR 1090.645.
- This product is non-additized gasoline.