

NEP Grade 87.0 Regular Unleaded Export Gasoline Specifications

(This is for export only and not for retail use in the United States)

Product Property	Test Method	Origin		Deliveries ^{1/}
		Minimum	Maximum	
Gravity, ° API	D287		Report	
Color			Undyed	
Volatility ^{2/}				
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 % ^{3/}	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 % ^{6/}	D4815, D5599		0.05	
Haze Rating ^{4/}	D4176		2	3
NACE Corrosion	TM0172, D7548	B+		
Odor ^{5/}			Nonoffensive	

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- 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.

**NOTE: All parameters must be met without blending of denatured fuel ethanol unless noted.