

A1X Grade 91.0 Premium Unleaded Export Gasoline Specifications

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

Product Property ^{1/}	Test Method	Origin		
		Minimum	Maximum	
Gravity, ° API	D287	Report		
Color		Undyed		
RVP ^{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		170.6	170.6	170.6
50% Evaporated °F, max		249.8	244.4	240.8
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
Vapor Liquid Ratio	D5188	<u>Class 1</u>	<u>Class 2</u>	<u>Class 3</u>
		129	122	116
Benzene, vol %	D3606			2
Aromatics, vol %	D5769, D5580			32.0
Olefins, vol %	D1319, D6550			12.5
Mercaptan Sulfur, wt % ^{3/}	D3227			0.003
Copper Corrosion	D130			1
Silver Corrosion	D7667,7671			1
Gum, Existent, mg/100 ml	D381			4
Oxidation Stability, minutes	D525		240	
Phosphorus, g/gal	D3231			0.003
Lead, g/gal	D3237			0.01
Octane				
RON	D2699		94	
MON	D2700		Report	
Report (R+M)/2			91	
Sulfur, ppm	D2622			80
Oxygenates, vol %	D4815, D5599			0.05
Haze Rating ^{4/}	D4176			2
NACE Corrosion	TM0172, D7548		B+	
Odor ^{5/}			Nonoffensive	

A1X Grade 91.0 Premium 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.