

**AZ9 Grade Arizona Summer Cleaner Burning Gasoline (AZRBOB)**

Product Property	Test Method	Origin	
		Minimum	Maximum
Gravity °API @ 60°F	D 287	Report	
Octane (after 10% E Fuel ethanol per ASTM D4806)			
RON	D 2699	Report	
MON	D 2700	Report	
(R+M)/2		91.0	
Oxygen Content (wt%) <sup>1/</sup>	D 4815		0.05
RVP (psi)	D 5191		5.70
Distillation (°F)	D86		
E200		25%	65%
E300		65%	100%
End Point			430
Benzene (vol%)	D 3606		4.9
Aromatics (vol%)	D 5769/ D5580		55
Olefins (vol%)	D 1319, D6650		25
Corrosion (Cu)3 hrs @ 122°F(50°C)	D 130		1
Corrosion (Ag) 3 hrs @122°F (50°C)	D 7667,7671		1
Mercaptan sulfur (wt.%) <sup>2/</sup>	D 3227		0.002
Existent Gum (mg/100 ml)	D 381		4
Oxidation stability (minutes)	D 525	240	
Phosphorous (gms/gal)	D 3231		0.003
Lead (gms/gal)	D 5059		0.01
Sulfur (ppm)	D 5453, D2622		80
NACE	TM0172, D7548	B+	
Haze <sup>3/</sup>	D 4176		2
VOC Emission Performance Reduction (%)		-27.5	
Color		Undyed	
Odor	Olfactory	Non-Offensive	

1/ Total oxygen levels shall not exceed de minimums levels. The use of non-hydrocarbon blending components such as MTBE is prohibited.

2/ Mercaptan Sulfur determination is waived if the result of the Doctor Test ASTM D4952 is negative.

### **AZ9 Grade Arizona Winter Cleaner Burning Gasoline (AZRBOB) (continued)**

- 3/ Product must be tested at 55°F or tank temperature whichever is lower.
- Product must be certified according to current Arizona AZRBOB regulations from a state of Arizona registered supplier.
  - In addition to the above a LPP Product Transfer Document for AZRBOB must be filled out and provided to Magellan Pipe Line Quality Control.
  - All gasoline must meet latest revision of ASTM D 4814.
  - Corrosion inhibitors, gum inhibitors and metal deactivators must be approved by Magellan Pipeline
  - No additives or corrosion inhibitors containing phosphorus may be used in this gasoline.
  - The shipment of fuels containing Port Fuel Injector (PFI) and intake valve detergent additives is prohibited. This is a base gasoline, not for sale to the ultimate consumer
  - Any gasoline exhibiting an offensive and/or containing more than 0.50wt % dicyclopentadiene will not be accepted for shipment.
  - AZRBOB does not comply with the standards for Arizona CBG without the addition of oxygenate.
  - This AZRBOB is intended for blending with 10% volume ethanol and may not be combined with AZRBOB's requiring oxygenate blending with any other type or amount of oxygenate.