

**PRODUCT SPECIFICATION**



Product Name : 92 Unleaded Gasoline

Issue Date: Apr 01,2021

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1. Product NO. : MG-92
2. Usage : Applicable to Spark-ignition engine or already set up exhaust catalytic converter engine use
3. Quality :

No.	Items	Unit	Limitation		Test Method
			Min.	Max.	ASTM
1	Appearance		Clear/Bright		D4176
2	Density , 15°C	g/mL	0.720	0.775	D1298 D4052
3	Research octane number , RON	Grade	92.0		D2699
4	Copper corrosion , 50°C , 3h	Grade	NO.1		D130
5	Oxidation stability , Induction period , 100°C	min	240		D525
6	Solvent-washed gum	mg/100mL		4	D381
7	Benzene content	vol%		0.9 <sup>(1)</sup>	D5580
8	Sulfur content	mg/kg		10.0 <sup>(1)</sup>	D2622 D5453
	Oxygen content				
9	Have not fuel ethanol	mass %		2.7 <sup>(1)</sup>	D4815
	Have fuel ethanol	mass %		3.24 <sup>(1)</sup>	D4815
10	Fuel ethanol contain	vol%		3.0	D4815
11	Lead content	mg/L		5	D5059C

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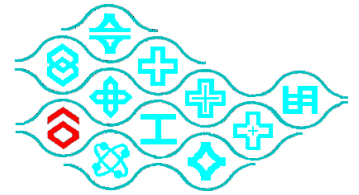
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No.	Items	Unit	Limitation		Test Method
			Min.	Max.	ASTM
12	Aromatics content	vol%		35	D5580
13	Olefins content	vol%		18	D6296 D6730
14	Vapor pressure , 37.8°C				
	Have not fuel Ethanol	kPa	45	60.0 <sup>(1)</sup>	D323 D5191
	Have fuel ethanol	kPa	45	66.9 <sup>(1)</sup>	D323 D5191
15	Distillation				
	Evaporated 10 vol% (T <sub>10</sub> )	°C		70	D86
	Evaporated 50 vol% (T <sub>50</sub> )	°C		121	D86
	Evaporated 90 vol% (T <sub>90</sub> )	°C		190	D86
	End boiling point	°C		225	D86
	Distillation residue	vol%		2.0	D86
	Drivability index			597	
16	Toluene content <sup>(2)</sup>	wt%	Report		D5580
17	Ethylbenzene content <sup>(2)</sup>	wt%	Report		D5580
18	p/m-xylene content <sup>(2)</sup>	wt%	Report		D5580
19	0-xylene content <sup>(2)</sup>	wt%	Report		D5580

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Note :

1. Gasoline and diesel oil sold in Taiwan need accord to Environmental Protection Administration declaration of 「 Mobile pollution source fuel composition control standard 」 regulation.
2. Assort with the EPA air pollution control fee of stationary source, we are mandated to perform the additional inspections.
3. The quality of unleaded gasoline for vehicles, other commends refer to the description of CNS 12614 Appendix B, please.
4. If the description of criterion is not detailed, please refer to the CNS 12614.