



Gage Products Company Technical Data Sheet

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CARB Lev III Certification Fuel Regular
42012-55F

Test	Method	UOM	Specification
RESEARCH OCTANE NUMBER	ASTM D2699	RON	REPORT
MOTOR OCTANE NUMBER	ASTM D2700	MON	REPORT
OCTANE RATING	GAGE-CALCULATED	R+M/2	87.0 - 88.4
OCTANE SENSITIVITY	GAGE-CALCULATED	R-M	7.5, MIN
ETHANOL CONTENT	ASTM D4815	VOL. %	9.20 - 10.00
MTBE CONTENT	ASTM D4815	WT. %	NON-DETECT
OXYGEN CONTENT	GAGE-CALCULATED	WT. %	3.30 - 3.70
SULFUR CONTENT	ASTM D5453	PPM	8.0 - 11.0
LEAD CONTENT	ASTM D3237	G/GAL	0.01, MAX.
PHOSPHORUS CONTENT	ASTM D3231	G/GAL	0.005, MAX.
MANGANESE CONTENT	ASTM D3831	MG/L	0.2, MAX.
SILICON CONTENT	ASTM D5185mod	MG/KG	0.0 - 4.0
RVP @ 100 F	ASTM D5191	PSI (KPA)	6.9 - 7.2 (47.5 - 49.6)
DISTILLATION, IBP	ASTM D86	DEG F (DEG C)	REPORT
DISTILLATION, 5%	ASTM D86	DEG F (DEG C)	REPORT
DISTILLATION, 10%	ASTM D86	DEG F (DEG C)	130.0 - 150.0 (54.4 - 65.6)
DISTILLATION, 20%	ASTM D86	DEG F (DEG C)	REPORT
DISTILLATION, 30%	ASTM D86	DEG F (DEG C)	REPORT
DISTILLATION, 40%	ASTM D86	DEG F (DEG C)	REPORT
DISTILLATION, 50%	ASTM D86	DEG F (DEG C)	205.0 - 215.0 (96.1 - 101.7)
DISTILLATION, 60%	ASTM D86	DEG F (DEG C)	REPORT
DISTILLATION, 70%	ASTM D86	DEG F (DEG C)	REPORT
DISTILLATION, 80%	ASTM D86	DEG F (DEG C)	REPORT
DISTILLATION, 90%	ASTM D86	DEG F (DEG C)	310.0 - 320.0 (154.4 - 160.0)
DISTILLATION, 95%	ASTM D86	DEG F (DEG C)	REPORT
DISTILLATION, DRY POINT	ASTM D86	DEG F (DEG C)	390.0 (198.9), MAX
RECOVERY	ASTM D86	VOL. %	REPORT
RESIDUE	ASTM D86	VOL. %	2, MAX.
LOSS	ASTM D86	VOL. %	REPORT
AROMATIC CONTENT	ASTM D5580	VOL%	19.5 - 22.5
OLEFIN CONTENT	ASTM D6550	VOL. %	4.0 - 6.0
SATURATE CONTENT	GAGE-CALCULATED	VOL. %	REPORT
MULTI SUB. AHC CONTENT	ASTM D5769	VOL. %	13.0 - 15.0

NOTE: This information is offered for your consideration, investigation, and verification. It should not be construed as a warranty or guaranty.

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SPECIFIC GRAVITY @ 60.0 F	ASTM D4052		REPORT
OXIDATION STABILITY	ASTM D525	MIN.	1000, MIN.
EXISTENT GUM (WASHED)	ASTM D381	MG/100ML	3, MAX.
UNWASHED GUM	ASTM D381	MG/100ML	70, MAX.
COPPER CORROSION	ASTM D130	COPPER CORR.	1B, MAX.
BENZENE CONTENT	ASTM D5580	VOL. %	0.60 - 0.80
NET HEAT OF COMBUSTION	ASTM D240	MJ/KG	REPORT
NET HEATING VALUE	ASTM D3338MOD (GM)	MJ/KG	REPORT
NET HEATING VALUE DIFFERENCE	[(D3338MOD - D240)/D3338MOD]*100	%	1.00, MAX
CARBON CONTENT	ASTM D5291	WT. %	REPORT
HYDROGEN CONTENT	ASTM D5291	WT. %	REPORT
C/H RATIO	GAGE-CALCULATED	WT/WT	REPORT
H/C RATIO	GAGE-CALCULATED	MOLE/MOLE	REPORT
O/C RATIO	GAGE-CALCULATED	MOLE/MOLE	REPORT
DEPOSIT CONTROL ADDITIVE, ACTIVE	GAGE-CALCULATED	PPM	190 - 210
DEPOSIT CONTROL ADDITIVE	DESCRIPTION		Powerzolt 9522C
DEPOSIT CONTROL ADDITIVE	GAGE-CALCULATED	PTB	134
TVL20	ASTM D5188	DEG F	REPORT
SEDIMENT CONTENT	ASTM D5452	MG/L	0.00 - 1.00
WATER CONTENT	ASTM E1064	PPM	0.0 - 1500.0
WATER CONTENT	ASTM E1064	VOL. %	0.000 - 0.120

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