



# Gage Products Company Technical Data Sheet

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EPA Tier 3 High Alt Regular  
42064-55F

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, MIN
OCTANE SENSITIVITY	GAGE-CALCULATED	R-M	7.5, MIN
SULFUR CONTENT	ASTM D5453	WT. %	0.0008 - 0.0011
PHOSPHORUS CONTENT	ASTM D3231	MG/L	1.30, MAX
LEAD CONTENT	ASTM D3237	MG/L	2.60, MAX
COPPER CORROSION	ASTM D130	COPPER CORR.	1A, MAX.
EXISTENT GUM (WASHED)	ASTM D381	MG/100ML	3.00, MAX
UNWASHED GUM	ASTM D381	MG/100ML	REPORT
OXIDATION STABILITY	ASTM D525	MIN.	1000, MIN.
TOTAL AROMATIC CONTENT	ASTM D5769	VOL. %	21.0 - 25.0
C6 AROMATICS (BENZENE)	ASTM D5769	VOL. %	0.5 - 0.7
C7 AROMATICS (TOLUENE)	ASTM D5769	VOL. %	5.2 - 6.4
C8 AROMATICS	ASTM D5769	VOL. %	5.2 - 6.4
C9 AROMATICS	ASTM D5769	VOL. %	5.2 - 6.4
C10+ AROMATICS	ASTM D5769	VOL. %	4.4 - 5.6
OLEFIN CONTENT	ASTM D6550	WT. %	4.0 - 10.0
SATURATE CONTENT	GAGE-CALCULATED	VOL. %	REPORT
HYDROGEN CONTENT	ASTM D5291	WT. %	REPORT
CARBON CONTENT	ASTM D5291	WT. %	REPORT
OXYGEN CONTENT	GAGE-CALCULATED	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
NET HEAT OF COMBUSTION	ASTM D240	MJ/KG (BTU/LB)	REPORT
NET HEATING VALUE	ASTM D3338MOD (GM)	MJ/KG (BTU/LB)	REPORT
NET HEATING VALUE DIFFERENCE	[(D3338MOD - D240)/D3338MOD]*100	%	1.00, MAX
SPECIFIC GRAVITY @ 60.0 F	ASTM D4052		REPORT
RVP @ 100 F	ASTM D5191	PSI (KPA)	7.5 - 7.8 (51.7 - 53.7)
DVPE, EPA STANDARD	ASTM D5191	PSI (KPA)	7.6 - 8.0 (52.4 - 55.1)
DISTILLATION, IBP	ASTM D86	DEG C (DEG F)	REPORT

**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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DISTILLATION, 5%	ASTM D86	DEG C (DEG F)	REPORT
DISTILLATION, 10%	ASTM D86	DEG C (DEG F)	49.0 - 60.0(120.2 - 140.0)
DISTILLATION, 20%	ASTM D86	DEG C (DEG F)	REPORT
DISTILLATION, 30%	ASTM D86	DEG C (DEG F)	REPORT
DISTILLATION, 40%	ASTM D86	DEG C (DEG F)	REPORT
DISTILLATION, 50%	ASTM D86	DEG C (DEG F)	88.0 - 99.0(190.4 - 210.2)
DISTILLATION, 60%	ASTM D86	DEG C (DEG F)	REPORT
DISTILLATION, 70%	ASTM D86	DEG C (DEG F)	REPORT
DISTILLATION, 80%	ASTM D86	DEG C (DEG F)	REPORT
DISTILLATION, 90%	ASTM D86	DEG C (DEG F)	157.0 - 168.0(314.6 - 334.4)
DISTILLATION, 95%	ASTM D86	DEG C (DEG F)	REPORT
DISTILLATION, DRY POINT	ASTM D86	DEG C (DEG F)	193.0 - 216.0(379.4 - 420.8)
RECOVERY	ASTM D86	VOL. %	REPORT
RESIDUE	ASTM D86	VOL. %	2.0, MAX
LOSS	ASTM D86	VOL. %	REPORT
ETHANOL CONTENT	ASTM D4815	VOL. %	9.60 - 10.00
OTHER OXYGENATES	ASTM D4815	VOL. %	0.1, MAX.
WATER CONTENT	ASTM E1064	PPM	REPORT

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