



# Gage Products Company Technical Data Sheet

Page: 1

Date Printed: 12/16/19 at 9:30 PM

CARB Lev III Certification Fuel Premium  
42017-55F

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	91.0, MIN
OCTANE SENSITIVITY	GAGE-CALCULATED	R-M	7.9, MIN
ETHANOL CONTENT	ASTM D4815	VOL. %	9.20 - 10.00
MTBE CONTENT	ASTM D4815	VOL. %	NON-DETECT
OXYGEN CONTENT	GAGE-CALCULATED	WT. %	3.30 - 3.70
SULFUR CONTENT	ASTM D5453	PPM	8.0 - 11.0
PHOSPHORUS CONTENT	ASTM D3231	G/GAL	0.0050, MAX
LEAD CONTENT	ASTM D3237	G/GAL	0.010, MAX
MANGANESE CONTENT	ASTM D3831	MG/L	0.2, MAX.
RVP @ 100 F	ASTM D5191	PSI (KPA)	6.9 - 7.2 (47.5 - 49.6)
DISTILLATION, IBP	ASTM D86	DEG C (DEG F)	REPORT
DISTILLATION, 5%	ASTM D86	DEG C (DEG F)	REPORT
DISTILLATION, 10%	ASTM D86	DEG C (DEG F)	54.0 - 66.0 (129.2 - 150.8)
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)	96.0 - 102.0 (204.8 - 215.6)
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)	154.0 - 160.0 (309.2 - 320.0)
DISTILLATION, 95%	ASTM D86	DEG C (DEG F)	REPORT
DISTILLATION, DRY POINT	ASTM D86	DEG C (DEG F)	198.9 (390.0), MAX
RECOVERY	ASTM D86	VOL. %	REPORT
RESIDUE	ASTM D86	VOL. %	2.0, 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
SPECIFIC GRAVITY @ 15.56 C	ASTM D4052		REPORT

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

**rethink\_refine\_resolve®**

Office: 248\_541\_3824  
Fax: 248\_541\_8970

821 Wanda Avenue  
Ferndale, MI 48220

[gageproducts.com](http://gageproducts.com)



# Gage Products Company Technical Data Sheet

Page: 2

Date Printed: 12/16/19 at 9:30 PM

## CARB Lev III Certification Fuel Premium 42017-55F

OXIDATION STABILITY	ASTM D525	MIN.	1000, MIN.
EXISTENT GUM (WASHED)	ASTM D381	MG/100ML	3.00, MAX
UNWASHED GUM	ASTM D381	MG/100ML	REPORT
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 (BTU/LB)	REPORT
NET HEATING VALUE	ASTM D3338MOD (GM)	MJ/KG (BTU/LB)	REPORT
NET HEATING VALUE DIFFERENCE	$[(D3338MOD - D240)/D3338MOD]*100$	%	REPORT
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	DESCRIPTION		Powerzolt 9522C
DEPOSIT CONTROL ADDITIVE, ACTIVE	GAGE-CALCULATED	PPM	190 - 210
DEPOSIT CONTROL ADDITIVE	GAGE-CALCULATED	PTB	134
TVL20	ASTM D5188	DEG C (DEG F)	REPORT
TVL20	ASTM D5188	DEG F	REPORT
SEDIMENT CONTENT	ASTM D5452	MG/L	0.00 - 1.00
WATER CONTENT	ASTM E1064	VOL. %	0.100, MAX
WATER CONTENT	ASTM E1064	PPM	1500.0, MAX
SILICON CONTENT	ASTM D5185mod	MG/KG	REPORT
WATER & SEDIMENT	ASTM D2709	VOL. %	0.01, MAX.

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

**rethink\_refine\_resolve®**

Office: 248\_541\_3824  
Fax: 248\_541\_8970

821 Wanda Avenue  
Ferndale, MI 48220

[gageproducts.com](http://gageproducts.com)