



Gage Products Company Technical Data Sheet

Page: 1

Date Printed: 12/16/19 at 8:57 PM

EPA Tier 3 Cert Fuel Premium
42054-55F

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	93.0 - 94.5
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
SILICON CONTENT	ASTM D5185mod	PPM	4.0, MAX
MANGANESE CONTENT	ASTM D3831	MG/L	2.00, 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 HEATING VALUE	ASTM D3338MOD (GM)	MJ/KG (BTU/LB)	REPORT
NET HEAT OF COMBUSTION	ASTM D240	MJ/KG (BTU/LB)	REPORT
NET HEATING VALUE DIFFERENCE	[(D3338MOD - D240)/D3338MOD]*100	%	REPORT
DENSITY @ 15.56 C	ASTM D4052	KG/L	REPORT
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.

rethink_refine_resolve®

Office: 248_541_3824
Fax: 248_541_8970

821 Wanda Avenue
Ferndale, MI 48220

gageproducts.com



Gage Products Company Technical Data Sheet

Page: 2

Date Printed: 12/16/19 at 8:57 PM

**EPA Tier 3 Cert Fuel Premium
42054-55F**

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
RVP @ 100 F	ASTM D5191	PSI (KPA)	8.7 - 9.1(59.9 - 62.7)
DVPE, EPA STANDARD	ASTM D5191	PSI (KPA)	8.7 - 9.2(59.9 - 63.4)
ETHANOL CONTENT	ASTM D4815	VOL. %	9.60 - 10.00
OTHER OXYGENATES	ASTM D4815	VOL. %	0.1, MAX.
MTBE CONTENT	ASTM D4815	VOL%	REPORT
ETBE CONTENT	ASTM D4815	VOL%	REPORT
METHANOL CONTENT	ASTM D4815	VOL%	REPORT
WATER CONTENT	ASTM E1064	PPM	REPORT
ADDITIVES		Y/N	NONE
SEDIMENT CONTENT	ASTM D5452	MG/L	0.00 - 1.00
PEROXIDE CONTENT	ASTM D3703	PPM	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