



# Gage Products Company Technical Data Sheet

Page: 1

Date Printed: 12/16/19 at 9:49 PM

GB 18351-2017 China 6 Grade 95 E10  
42668-55F

Test	Method	UOM	Specification
RESEARCH OCTANE NUMBER	ASTM D2699	RON	95.0, MIN
MOTOR OCTANE NUMBER	ASTM D2700	MON	REPORT
OCTANE RATING	GAGE-CALCULATED	R+M/2	90.0, MIN
OCTANE SENSITIVITY	GAGE-CALCULATED	R-M	REPORT
SULFUR CONTENT	ASTM D5453	PPM	10.0, MAX
DOCTOR TEST	ASTM D4952		PASS
LEAD CONTENT	ASTM D3237	MG/L	5.00, 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	30.00, MAX
OXIDATION STABILITY	ASTM D525	MIN.	480, MIN.
TOTAL AROMATICS	ASTM D6730 mod	VOL%	27.0 - 32.0
BENZENE CONTENT	ASTM D6730mod	VOL%	0.80, MAX
C7 AROMATICS	ASTM D6730 mod	VOL%	REPORT
C8 AROMATICS	ASTM D6730 mod	VOL%	REPORT
C9 AROMATICS	ASTM D6730 mod	VOL%	8.0 - 10.0
C10 AROMATICS	ASTM D6730 mod	VOL%	4.0 - 6.0
C10+ AROMATICS	ASTM D6730 mod	VOL%	REPORT
TOTAL OLEFINS	ASTM D6730 mod	VOL%	10.0 - 15.0
C4-C6 OLEFINS	ASTM D6730 mod	VOL%	10.0 - 12.0
C7+ OLEFINS	ASTM D6730 mod	VOL%	4.0 - 5.0
TOTAL SATURATES	GAGE-CALCULATED	VOL%	REPORT
TOTAL UNKNOWNNS	ASTM D6730 mod	VOL%	REPORT
PIONA ANALYSIS ATTACHED	ASTM D6730 mod	VOL%	Y/N
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
ETHANOL CONTENT	ASTM D4815	VOL. %	9.60 - 10.00
METHANOL CONTENT	ASTM D4815	WT%	0.3, MAX
NET HEAT OF COMBUSTION	ASTM D240	MJ/KG (BTU/LB)	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 9:49 PM

GB 18351-2017 China 6 Grade 95 E10  
42668-55F

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)	35.0 - 65.0(95.0 - 149.0)
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)	65.0 - 105.0(149.0 - 221.0)
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)	150.0 - 165.0(302.0 - 329.0)
DISTILLATION, 95%	ASTM D86	DEG C (DEG F)	REPORT
DISTILLATION, DRY POINT	ASTM D86	DEG C (DEG F)	185.0 - 200.0(365.0 - 392.0)
% EVAPORATED @ 130C	ASTM D86	VOL%	REPORT
% EVAPORATED @ 150C	ASTM D86	VOL.%	REPORT
% EVAPORATED @ 170C	ASTM D86	VOL%	REPORT
RECOVERY	ASTM D86	VOL.%	REPORT
RESIDUE	ASTM D86	VOL.%	2.0, MAX.
LOSS	ASTM D86	VOL.%	REPORT
RVP @ 100 F	ASTM D5191	KPA (PSI)	56.0 - 60.0(8.1 - 8.7)
DENSITY @ 20.00 C	ASTM D4052	KG/M3	735 - 755
DENSITY @ 15.00 C	ASTM D4052	KG/M^3	REPORT
SPECIFIC GRAVITY @ 60.0 F	ASTM D4052		REPORT
API GRAVITY @ 60 F	ASTM D4052		REPORT
IRON	SW846-6020	G/L	0.01, MAX.
MANGANESE CONTENT	ASTM D3831	G/L	0.0020, MAX
COPPER CONTENT	SW846-6020	G/L	0.0010, MAX
APPEARANCE	Clear and Bright	CLEAR & BRIGHT	PASS
COLOR	VISUAL INSPECTION	PASS	CLEAR
WATER CONTENT	ASTM E1064	WT%	0.20, 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