ORIGINAL

GAGE PRODUCTS CO. 821 WANDA AVENUE FERNDALE, MI 48220 (248) 541-3824

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Gage Products Company Certificate of Analysis / QC Results

Customer: G00066 / Gage Internal Department

Sales Order # : 38404 Customer PO # : Shipped Qty : 275

aonagoa i ioaaon	38-55F			
	2013 Endurance Gasoline	: :		
Property	Test Method	UOM	Specification	Value
PECIFIC GRAVITY @ 60F	ASTM D4052		REPORT	0.7671
ISTILLATION, IBP	ASTM D86	DEG F	REPORT	87.3
DISTILLATION, 10%	ASTM D86	DEG F	REPORT	127.8
DISTILLATION, 50%	ASTM D86	DEG F	REPORT	170.8
ISTILLATION, 90%	ASTM D86	DEG F	REPORT	174.0
ISTILLATION, DP	ASTM D86	DEG F	REPORT	341.8
RECOVERY	ASTM D86	VOL.%	REPORT	96.5
RESIDUE	ASTM D86	VOL.%	REPORT	1.4
OSS	ASTM D86	VOL.%	REPORT	2.1
THANOL CONTENT	Gas Chromatography	VOL.%	65.00 - 67.00	65.75
RVP @ 100 DEG. F	ASTM D5191	PSI (KPA)	12.00 - 14.00(82.68 - 96.46)	13.65(94.05)
ARBON CONTENT	ASTM D5291	WT.%	REPORT	62.92
ROGEN CONTENT	ASTM D5291	WT.%	REPORT	13.43
DXYGEN CONTENT	ASTM D5622	WT.%	REPORT	23.65
I/C RATIO	Calculated	MOLE/MOLE	REPORT	2.543
C/H RATIO	Calculated	WT/WT	REPORT	4.686
D/C RATIO	CALCULATED	MOLE/MOLE	REPORT	0.282
Lot # 5164000	Made 02/20/13			
In sealed unopened contain	ners this product is good until 02/	06/14		
Approved By: Rob	art Patsett			

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Gage Products Company Certificate of Analysis / QC Results

Customer: G00066 / Gage Internal Department

Sales Order #: 38404 Customer PO #: Shipped Qty : 55

Packaged Product:	41089-55F			
- ,	CSC 2013 Emissions Gasoline			
Property	Test Method	UOM	Specification	Value
SPECIFIC GRAVITY @ 60F	ASTM D4052		REPORT	0.7719
DISTILLATION, IBP	ASTM D86	DEG F	REPORT	94.1
DISTILLATION, 10%	ASTM D86	DEG F	REPORT	138.7
DISTILLATION, 50%	ASTM D86	DEG F	REPORT	170.5
DISTILLATION, 90%	ASTM D86	DEG F	REPORT	174.5
DISTILLATION, DP	ASTM D86	DEG F	REPORT	341.9
RECOVERY	ASTM D86	VOL.%	REPORT	96.3
RESIDUE	ASTM D86	VOL.%	REPORT	0.9
OSS	ASTM D86	VOL.%		2.8
ETHANOL CONTENT	Gas Chromatography	VOL.%	65.00 - 67.00	65.52
RVP @ 100 DEG. F	ASTM D5191	PSI (KPA)	9.00 - 10.00(62.01 - 68.90)	9.79(67.45)
CARBON CONTENT	ASTM D5291	WT.%	REPORT	63.30
ROGEN CONTENT	ASTM D5291	WT.%	REPORT	13.31
OXYGEN CONTENT	ASTM D5622	WT.%	REPORT	23.39
H/C RATIO	Calculated	MOLE/MOLE	REPORT	2.505
C/H RATIO	Calculated	WT/WT	REPORT	4.757
O/C RATIO	CALCULATED	MOLE/MOLE	REPORT	0.277
Lot# 5164300	Made 02/21/13	· · · ·		
In sealed unopened o	containers this product is good until 02	/06/14		
Approved By:	Robert Patett			

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Gage Products Company Certificate of Analysis / QC Results

Customer: G00066 / Gage Internal Department

Sales Order # : 38404 Customer PO # : Shipped Qty : 10

Packaged Product:	41090-5C				
	CSC 2013 Di	Diesel Fuel			
Property		Test Method	UOM	Specification	Value
SPECIFIC GRAVITY @ 60F		ASTM D4052		REPORT	0.8534
DISTILLATION, IBP		ASTM D86	DEG F	REPORT	374.9
DISTILLATION, 10%		ASTM D86	DEG F	REPORT	429.3
DISTILLATION, 50%		ASTM D86	DEG F	REPORT	517.8
DISTILLATION, 90%		ASTM D86	DEG F	REPORT	605.8
DISTILLATION, DP		ASTM D86	DEG F	REPORT	638.0
RECOVERY		ASTM D86	VOL.%	REPORT	98.3
RESIDUE		ASTM D86	VOL.%	REPORT	1.4
OSS		ASTM D86	VOL.%	REPORT	0.3
SME BIODIESEL CONTENT		Gas Chromatography	VOL.%	5.50 - 6.50	5.95
CARBON CONTENT		ASTM D5291	WT.%	REPORT	86.24
HYOROGEN CONTENT		ASTM D5291	WT.%	REPORT	13.76
GEN CONTENT		ASTM D5622	WT.%	REPORT	0
H/C RATIO		Calculated	MOLE/MOLE	REPORT	1.902
C/H RATIO		Calculated	WT/WT	REPORT	6.265
O/C RATIO		CALCULATED	MOLE/MOLE	REPORT	0
Lot# 5164700	M	ade 02/13/13			
In sealed unopened co	ontainers this p	roduct is good until 02/	06/14		

Robert Putsett Approved By: