



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

Gage Products Company
Certificate of Analysis / QC Results

Page: 1

Date: 02/24/14 at 7:49 AM

Customer PO # :

Property	Test Method	UOM	Specification	Value
Packaged Product: 41166 Ultra Low Sulfur Cert Diesel				
SPECIFIC GRAVITY @ 60 DEG. F	ASTM D4052		0.8400 - 0.8650	0.8517
API GRAVITY	ASTM D4052		32.0 - 37.0	34.6
TOTAL SULFUR	ASTM D5453	PPM	7.0 - 15.0	8.3
PMCC FLASHPOINT	ASTM D93	DEG F.	130, MIN.	180
KIN. VISCOSITY @ 40C	ASTM D445	CST	2.0, MIN.	2.68
CARBON CONTENT	ASTM D5291	WT. %	REPORT	86.89
HYDROGEN CONTENT	ASTM D5291	WT. %	REPORT	13.11
NET HEAT OF COMB.	ASTM D240	BTU/LB.	REPORT	18447.2
CETANE INDEX	ASTM D976	CETANE INDEX	40.0 - 50.0	47.1
CETANE NUMBER	ASTM D613	CETANE NO.	40.0 - 50.0	43.3
HFRR LUBRICITY	ASTM D6079	MICRONS	0 - 460	369
DISTILLATION, IBP	ASTM D86	DEG F (DEG C)	340.0 - 400.0 (171.1 - 204.4)	380.9 (193.8)
DISTILLATION, 10%	ASTM D86	DEG F (DEG C)	400.0 - 460.0 (204.4 - 237.8)	428.6 (220.3)
DISTILLATION, 50%	ASTM D86	DEG F (DEG C)	470.0 - 540.0 (243.3 - 282.2)	513.9 (267.7)
DISTILLATION, 90%	ASTM D86	DEG F (DEG C)	560.0 - 630.0 (293.3 - 332.2)	596.6 (313.7)
DISTILLATION, DRY POINT	ASTM D86	DEG F (DEG C)	610.0 - 690.0 (321.1 - 365.6)	635.5 (335.3)
AROMATICS	ASTM D1319	VOL. %	27, MIN.	30.6
OLEFINS	ASTM D1319	VOL. %	REPORT	4.7
SATURATES	ASTM D1319	VOL. %	REPORT	64.7
CLOUD POINT	ASTM D2500	DEG C	REPORT	-34
POUR POINT	ASTM D97	DEG C	REPORT	-36
Lot # 6450000 Made 2/13/14 In sealed unopened containers this product is good until 3/13/14 Approved By: Robert Pettit				