

LD0870004



Marathon Petroleum Company LLC

Certificate of Analysis
Louisiana Refining Division

4663 West Airline Highway
Garyville, LA 70051
Phone No: (855) 535-2100
Fax Number: (504) 535-7445
Date: 5/4/2009 1:54:17 PM

Product: No. 2 Diesel Fuel / Fuel Oil

Tank: TK300-1
Batch Number: ULD090060

Sample Date: 5/3/2009 4:00:00 AM
Date Analyzed Completed: 5/3/2009 7:14:19 AM
LIMS ID: 1314962

Test Method	Property	Result	Units	Lower Limit	Upper Limit
D4178	Workmanship	Passed		Passed	Passed
D4178	Visual Particulates	1			2
D6304	Moisture ⁴	72.0	ppm		
Physical Properties					
D4052	API Gravity	35.2	*API @ 60°F	30.0	
D445	Viscosity @ 104°F(40°C)	2.7	cSt	1.9	3.4
D93A	Flash Point	151	*F	140	
D130	Copper Strip Corrosion	1a			1b
TM0172-88	NACE Corrosion ³	B++		B+	
D8468	Reflectance ³	87.85	%	80.00	
D6045	ASTM Color	1.0			2.5
D4178	Colorial Haze Rating	1			2
D2624	Conductivity @ 40°F ²	49	pw/m	25	
D482	Ash ³	<0.001	wt. %		0.010
Chemical Analyses					
D5453	Sulfur	5	ppm		10
D5453	Sulfur, Top	5	ppm		10
D5453	Sulfur, Mid	5	ppm		10
D5453	Sulfur, Btm	5	ppm		10
D4952	Doctor Test	NEG			
D524	Carbon Residue, 10% Bottoms	0.05	wt. %		0.35
Distillation					
D86 Predicted	90%	608	*F	540	640
D86 Predicted	FBP	668	*F		690
Cold Flow Properties					
D5773	Cloud Point	1	*F		20
D6949	Pour Point	-8	*F		10
Combustion Properties					
D4737B	Cetane Calc. (4 var) LSD	45.8		40.0	

Notes:

² Conductivity requirement is met by treating with an additive that is approved for use in jet fuel.

³ Property is determined on a statistical basis of 1 in every 10 samples.

⁴ KF water and visual particulate scale can be substituted for BS&W (ASTM D2709)

Reviewed By:

CABOT LEE CORSO
FOREMAN LABORATORY
LOUISIANA REF-LABORATORY
985-535 7288

Cabot Corso

Signed

COA Prepared By:

VICKIE ANN BRADFORD
CHEMIST
LOUISIANA REF-LABORATORY

Vickie Bradford

Signed

RECEIVED

SEP 02 2009

D.E.F. Marathon