

# Certificate Of Analysis

## Q Grade

### Magellan Pipeline Kansas City Terminal

Date Released: 11/06/13Time Released 0757Tank: 1201

	SPECIFICATION	RESULTS
API GRAVITY @ 60F	37.5 - 50.5	TOP 43.9 ° MIDDLE 44.0 ° BOTTOM 44.1 °
FLASH TCC	108 min	TOP 123.0 ° F MIDDLE 121.0 ° F BOTTOM 121.0 ° F
DISTILLATION	396 max	I.B.P 318.0 ° F 10% 355.6 ° F 50% 398.0 ° F 90% 468.8 ° F
	562 max	F.B.P 518.0 ° F
	1.5 max	RES 1.2 vol %
	1.5 max	LOSS 0.5 vol %
CORROSION @ 212	1b max	1a
FREEZE PT	-40 max	-57.3 ° F
MSEP	85 min	95
Existent Gum		(mg/100ml) <1.0
COLOR	14 min	20
CONDUCTIVITY	(report only)	2

Sample ID: K00030939 (from Sys Lab)Company: MagellanInitials: ██████Location ID: Kansas City, Ks.Accepted: YesSignature: ████████████████████

Analysis meets D-1655 specifications