



DISTRIBUTED BY: R.E. CARROLL, INC. 1570 NORTH OLDEN AVE., TRENTON NJ 08638-3204
T: 609-695-6211/800-257-9365 F: 609-695-0102 www.recarroll.com

HOLLYFRONTIER REFINING AND MARKETING LLC

MARKETING SPECIFICATIONS

PRODUCT NAME: IRM 901

PRODUCT CODE: 2414-00

SAP CODE: 101663

TEST DESCRIPTION	METHOD	SPECIFICATIONS		TYPICAL
		MIN	MAX	
VISCOSITY, CST @ 40C	D445			212.4
VISCOSITY, CST @ 100C	D445	18.12	20.34	18.31
VISCOSITY, CST @ 210F	D445	18.70	21.00	18.89
VISCOSITY, SUS @ 100F	D2161			1123
VISCOSITY, SUS @ 210F	D2161			93.8
FLASH, COC, C(F)	D92	243 (469)		276 (539)
AUTOMATIC POUR, C(F)	D5950			-12 (+10)
COLOR	D1500			3.5
GRAVITY, API	D1250	27.8	29.8	28.8
DENSITY @ 15C, KG/DM3	D4052	0.8768	0.8878	0.8820
POUNDS PER GALLON	D1250			7.35
TOTAL ACID NO. MG KOH/G	D974			0.03
ANILINE POINT, C(F)	D611	123 (253)	125 (257)	124.7 (256)
VGC	D2501	0.790	0.805	0.799
MOLECULAR WEIGHT, G/MOLE	D2502			609
REFRACTIVE INDEX @ 20C	D1747			1.4848
REFRACTIVITY INTERCEPT	D2140			1.046
AROMATIC CARBON ATOMS%	D2140			3
NAPHTHENIC CARBON ATOMS%	D2140			27
PARAFFINIC CARBON ATOMS%	D2140	65		70
ASPHALTENES, MASS%	D2007			0.0
POLAR COMPOUNDS, MASS%	D2007			2.1
AROMATIC, MASS%	D2007			15.5
SATURATES, MASS%	D2007			82.4
UV ABSORPTION, 26NM	D2008			0.8

DATE APPROVED: 8/23/2014

← SPECIFICATION VALID ONLY IF DATED!

DATE REVIEWED: 5/21/2015