GASOLINE, UNLEADED, PREMIUM GRADE, GENERAL PURPOSE **ESE-M4C95-A**

GASOLINE, UNLEADED, PREMIUM GRADE, DYNAMOMETER EVALUATION **ESE-M4C96-A**

1. SCOPE

The materials defined by these specifications are well-refined gasolines blended to conform to industry, State, and Federal requirements.

2. APPLICATION

ESE-M4C95-A: This specification was released originally for gasoline used as a general purpose fuel where unleaded premium fuel is required.

ESE-M4C96-A: This specification was released originally for gasoline used for engine dynamometer testing where premium unleaded fuel is required.

3. REQUIREMENTS

These materials must meet the requirements of ASTM D 4814 Standard Specification for Automotive Spark-Ignition Engine Fuel, plus the following:

3.0 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements For Production Materials (WSS-M99P1111-A).

3.2 ANTIKNOCK INDEX, (RON + MON)/2, min 91
(ISO 5164/ASTM D 2699, ISO 5163/ASTM D 2700)

3.6 SULPHUR CONTENT, max 80 ppm
(ASTM D 5453)

3.7 CORROSION

3.7.1 Copper Corrosion, max 1b (dark orange)
(ASTM D 130)

3.7.2 Silver Corrosion, max 1
(ASTM D 4814 Annex A1)

Date	Action	Revisions
2007 10 17	Revised	Revised Para 1, 3.6, 3.7 3.9.2, 3.16 & Table; Deleted 3.3, 3.4, 3.5, 3.9.3 & 3.12; Inserted 3.7.1, 3.7.2, 3.18, 3.18.1 C. E. Richardson
2004 06 21	Revised	Para 3.0 inserted; para 3.1, 3.16 & 4 deleted C. E. Richardson
1982 08 04	Released	CE3MR0863100E50 PWM

Copyright Ford Motor Company
Provided by IHS Markit under license with FORD
No reproduction or networking permitted without license from IHS
Full document details: FORD ESE-M4C96-A 2007
Printed copies are uncontrolled
Copyright © 2007, Ford Global Technologies, LLC
Licensee=/, User=,
Not for Resale,
Documents
Document Sharing Hub

3.8 OXIDATION STABILITY, min
(ASTM D 525)

ESE-M4C95-A	240 minutes
ESE-M4C96-A	480 minutes

3.9 FUEL VOLATILITY

3.9.1 Seasonal Geographical Volatility

ESE-M4C95-A shall meet the requirements of the latest ASTM D 4814 gasoline specifications or the appropriate specifications for Canadian locations.

3.9.2 Vapor Pressure, max
(ASTM D 5191)

ESE-M4C96-A	13.5 psi

3.11 OXYGENATES

Gasolines containing oxygenated compounds may be used at those Ford facilities located in areas required by the Clean Air Act Amendments, State, Federal or regional requirements. The supplier shall notify the responsible Product Engineering Office of the type and amount of oxygenated compound and typical properties of the gasoline.

3.13 WATER AND SEDIMENT, max 0.01%
(ASTM D 2709)

3.14 ODOR

The material shall have the usual characteristic odor of gasoline with no pronounced foreign odor.

3.15 COLOR

May include a dye in accordance with standard practice for purpose of vendor and user identification.

3.16 ADDITIVES

Fuels shall contain normal commercial additives at concentrations representative of good commercial practice in the receiving locale (unless otherwise specified). Metallic additives, including lead, manganese and phosphorus are not allowed.

--`,,```,,,,`````-`-`,,`,,`,`,,`---
Copyright Ford Motor Company
Provided by IHS Markit under license with FORD
No reproduction or networking permitted without license from IHS
Full document details: FORD ESE-M4C96-A 2007
Printed copies are uncontrolled
Copyright © 2007, Ford Global Technologies, LLC
Licensee=/, User=,
Not for Resale,
Documents
Document Sharing Hub