








# MIL-PRF 7024F

## FEATURES

-  Special Run Stoddard Solvent
-  Calibration Fluid for Aircraft Fuel System Components
-  National 3rd Party Quality Conformance Testing & Certificate of Analysis Issuance
-  Guaranteed Inventory & Supply  
*"When You Need It, Where You Need It."*
-  Custom Quantities Available in Bulk, Mini-Bulk, Drums or Totes



Available in:

Bulk • Drums • Totes

## TYPE II - CALIBRATION FLUID

*MIL-PRF-7024F is a military performance specification that covers fluids used in the calibration of fuel system components.*

## APPLICATIONS

- Military Equipment
- Defense
- Aerospace
- Aircraft Reciprocating Engines
- Aircraft Gas Turbines
- Ram-Jet Engines

*\*If your application is not listed, contact SPS to find out how we can service your needs.*

## Specification Highlights

Flash Point, °C (°F), Min  
 Specific Gravity, 15.6°C/15.6°C (60°F/ 60°F)  
 Viscosity, mm<sup>2</sup>/s at  
 0°C (32°F)  
 25°C (77°F)  
 37.8°C (100°F)

## TYPE II

38 (100)  
 0.770 ± 0.005  
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 1.17 ± 0.05  
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1405 Brewerton Rd., Syracuse, NY 13208

V2/2015

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# MIL-PRF-7024F

## Chemical and Physical Requirements and Test Methods

REQUIREMENTS	Type II	ASTM Method
Specific Gravity, 15.6°C/15.6°C (60°F/60°F)	0.770 ± 0.005	D1298 D4052
Color, Saybolt, Lighter Than		D156 D6045
Viscosity, mm <sup>2</sup> /s at 0°C (32°F) 25°C (77°F) 37.8°C (100°F)	1.17 ± 0.05	D445
Vapor Pressure at 37.8°C (100°F), kPa (psi) Max		D323 D5191
Existent Gum, mg/100 mL Max	5.0	D381 <sup>1</sup>
Potential Gum, mg/100 mL Max		D873 <sup>2</sup>
Distillation: Initial BP °C (°F) min Recovered 10% °C (°F) Recovered 50% °C (°F) Recovered 90% °C (°F)	149 (300)	D86
Final Boiling Point °C (°F)	210 (410) Max	
Recovery, Percent Min	98.5	
Range, 5 to 95% points °C (°F)		
Residue, Volume %, Max		
Loss, Volume %, Max		
Flash Point, °C (°F), Min	38 (100)	D56
Aromatics, Vol %, Max	20.0	D1319
Benzene, Vol %, Max	0.01	D3606
Olefins, Vol %, Max	5.0	D1319
Particulate Matter, mg/L, Max	2.0	D2276 D5452
Mercaptan Sulfur, % Wt, Max or Doctor Test	0.001 Sweet	D3227 D4952
Copper Corrosion, Max	No. 1	D130
Total Acid Number, mg KOH/g, Max	0.015	D3242
Freezing Point, °C (°F), Max		D2386 D5972
Acidity, Distillation Residue, Max		D1093
Notes: 1. Air Jet Method 2. 5-Hour Aging Period 3. To Be Reported-Not Limited 4. Must Include Temperature of 98°C (208°F)		



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