

**ENEOS USA Inc.**

[Ene-ohs]

20 N. Martingale Rd, Suite 325, Schaumburg, IL 60173

CERTIFICATE OF ANALYSIS

Product Name **ATF SP-4(M)**
Manufacture Date **9/25/2026**
Lot/Batch Number **NL26J075**

TEST	METHOD	SPECIFICATION	RESULTS	UNITS
Density, 15°C	ASTM D4052	Report	0.846	g/cm ³
Color	Visual	Red	Red	
Flash Point	ASTM D92	≥175	196	°C
Kinematic Viscosity, 40°C	ASTM D445	20 - 24	24	mm ² /s
Kinematic Viscosity, 100°C	ASTM D445	5.3 - 5.5	5.4	mm ² /s
Viscosity Index	ASTM D2270	≥150	178	
Total Acid Number	ASTM D664	Report	1.76	mgKOH/g
Total Base Number (HClO ₄)	ASTM D2896	Report	5.37	mgKOH/g
Aniline Point	ASTM D611	≥95	107.25	°C
Water Content (KF)	ASTM D6304	≤0.10	0.013	mass%
Foaming SEQ I	ASTM D892	≤30 / 0	0 / 0	ml/ml
Foaming SEQ II	ASTM D892	≤30 / 0	0 / 0	ml/ml
Foaming SEQ III	ASTM D892	≤30 / 0	0 / 0	ml/ml
Elemental Analysis - B	ASTM D4951	Report	85	ppm
Elemental Analysis - Ba	ASTM D4951	Report	0.001	mass%
Elemental Analysis - Ca	ASTM D4951	Report	225	ppm
Elemental Analysis - Mg	ASTM D4951	Report	<0.001	mass%
Elemental Analysis - P	ASTM D4951	Report	311	ppm
Elemental Analysis - S	ASTM D4951	Report	0.25	mass%
Elemental Analysis - Zn	ASTM D4951	Report	<0.001	mass%
Brookfield Viscosity, -40°C	ASTM D2983	≤10000	7,525	mPa·s

Joy Rogers
Quality Control Manager

FM-QC-197

Rev. 1

03/03/20