

**ENEOS USA Inc.**

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

XFR-44505**CERTIFICATE OF ANALYSIS**

Product Name

ATF SP-4(M)

Manufacture Date

10/20/2025

Lot/Batch Number

NL25K066

TEST	METHOD	SPECIFICATION	RESULTS	UNITS
Density, 15°C	ASTM D4052	Report	<u>0.845</u>	g/cm ³
Color	Visual	Red	Red	
Flash Point	ASTM D92	≥175	200	°C
Kinematic Viscosity, 40°C	ASTM D445	20 - 24	<u>24</u>	mm ² /s
Kinematic Viscosity, 100°C	ASTM D445	5.3 - 5.5	<u>5.5</u>	mm ² /s
Viscosity Index	ASTM D2270	≥150	<u>177</u>	
Total Acid Number	ASTM D664	Report	1.75	mgKOH/g
Total Base Number (HClO ₄)	ASTM D2896	Report	5.68	mgKOH/g
Aniline Point	ASTM D611	≥95	108.05	°C
Water Content (KF)	ASTM D6304	≤0.10	0.009	mass%
Foaming SEQ I	ASTM D892	≤30 / 0	0 / 0	ml/ml
Foaming SEQ II	ASTM D892	≤30 / 0	10 / 0	ml/ml
Foaming SEQ III	ASTM D892	≤30 / 0	0 / 0	ml/ml
Elemental Analysis - B	ASTM D4951	Report	96	ppm
Elemental Analysis - Ba	ASTM D4951	Report	<0.001	mass%
Elemental Analysis - Ca	ASTM D4951	Report	254	ppm
Elemental Analysis - Mg	ASTM D4951	Report	<0.001	mass%
Elemental Analysis - P	ASTM D4951	Report	322	ppm
Elemental Analysis - S	ASTM D4951	Report	0.23	mass%
Elemental Analysis - Zn	ASTM D4951	Report	<0.001	mass%
Brookfield Viscosity, -40°C	ASTM D2983	≤10000	7,579	mPa·s

Joy Rogers

Quality Control Manager

FM-QC-197

Rev. 1

03/03/20