

CERTIFICATE OF ANALYSIS

Apex Asphalt Terminals, Inc. · 4400 Refinery Road, Tulsa, OK 74115

COA #COA-2026-001847

Issued: April 28, 2026 at 9:42 am CDT

PRODUCER

Apex Asphalt Terminals, Inc.
4400 Refinery Road
Tulsa
OK 74115

SHIP TO

Heartland Paving Company
2200 Industrial Blvd
Tulsa, OK 74103
Attn: QA Department

Product Performance Graded Asphalt (PG 64-22) **BOL #** BOL-485712
Sample # #28491 **Technician** J. Hiller

RESULT: PASS

Test Results

Test Method	Standard	Result	Unit	Min	Max	Status
Dynamic Shear Rheometer (DSR) — Original Binder	AASHTO T 315	1.45	kPa	1.00	—	PASS
Dynamic Shear Rheometer (DSR) — RTFO Residue	AASHTO T 315	3.21	kPa	2.20	—	PASS
Bending Beam Rheometer — Stiffness	AASHTO T 313	218	MPa	—	300	PASS
Bending Beam Rheometer — m-value	AASHTO T 313	0.323	—	0.300	—	PASS
Rotational Viscosity @ 135°C	AASHTO T 316	0.385	Pa-s	—	3.000	PASS
Flash Point (Cleveland Open Cup)	AASHTO T 48	258	°C	230	—	PASS
Mass Loss after RTFO	AASHTO T 240	0.42	%	—	1.00	PASS
Solubility in Trichloroethylene	AASHTO T 44	99.7	%	99.0	—	PASS

Specifications per AASHTO M 320, Performance Graded Asphalt Binder. Sample drawn from production tank at point of loading.

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AUTHORIZED BY

Sample Q. Manager

Quality Assurance Manager

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This Certificate of Analysis represents results from samples drawn from the source identified above. Results apply to the lot or batch as tested. This document was generated automatically by COA Creator and reflects lab results entered at the time of issue.