



MOUNTAIN STATES ASPHALT INC.

205 s Emerald Rd
Tooele, UT 84074

SUPERPAVE™ Binder Grade: PG 64-34 UT		Date Recieved: 5/14/2023	By: JH		
Sample ID: Batch 6					
Sample Condition (ie Good/Open): Good		Date Tested: 5/14/2023	By: JH		
Test					
		Temp	Method	Specification	Result
ORIGINAL BINDER					
AASHTO M 320 Requirements					
Viscosity, Pa*s		135°C	T 316	3.0 max	1.325
Dynamic Shear	G*, 10 rad./sec., kPa	64°C	T 315	1.3 min	1.92
	Phase Angle, δ (°)			71 max	69.3°
RTFOT RESIDUE					
AASHTO M 320 Requirements					
Mass Change, % (Mass Loss is reported as Negative)			T 240	1.0 max	-0.348%
Dynamic Shear		G*/sinδ, 10 rad./sec., kPa	64°C	T 315	2.2 min 3.9
Additional Requirements					
Elastic Recovery, %		25°C	T 301	85 min	89%
PRESSURE AGING RESIDUE (100°C, 300 psi, 20 hr.)					
AASHTO M 320 Requirements					
Dynamic Shear		G*(sinδ), 10 rad./sec., kPa	19°C	T 315	5,000 max 1453
Creep Stiffness		Stiffness, MPa (60 sec.)	-24°C	T 313	150-300 208
		m Value			0.300 min 0.329
Creep Stiffness -6°C		Stiffness, MPa (60 sec.)	-30°C	T 313	Report 459
		m Value			Report 0.278
Delta Tc			-	-1 min	0.6

*Result from subcontractor

Notes: This sample complied with the requirments of UDOT Section 02745 - Asphalt Materials, PG 64-34

Tested By:

Jameson Hulse, Binder Tech

Reviewed By:

Gene Chrisenbery, Vice President