



MOUNTAIN STATES ASPHALT INC.

205 s Emerald Rd
Tooele, UT 84074

SUPERPAVE™ Binder Grade: PG 70-28 UT		Date Recieved: 4/26/2023	By: JH		
Sample ID: Batch 2					
Sample Condition (ie Good/Open): Good		Date Tested: 4/26/2023	By: JH		
Test		Temp	Method	Specification	Result
ORIGINAL BINDER					
AASHTO M 320 Requirements					
Viscosity, Pa*s		135°C	T 316	3.0 max	2.23
Dynamic Shear	G*, 10 rad./sec., kPa	70°C	T 315	1.3 min	2.24
	Phase Angle, δ (°)			71 max	68.2°
Additional Requirements					
RTFOT RESIDUE					
AASHTO M 320 Requirements					
Mass Change, % (Mass Loss is reported as Negative)			T 240	1.0 max	-0.286%
Dynamic Shear	G*/sinδ, 10 rad./sec., kPa	70°C	T 315	2.2 min	4.9
Additional Requirements					
Elastic Recovery, %		25°C	T 301	85 min	87%
PRESSURE AGING RESIDUE (100°C, 300 psi, 20 hr.)					
AASHTO M 320 Requirements					
Dynamic Shear	G*(sinδ), 10 rad./sec., kPa	25°C	T 315	5,000 max	1354
Creep Stiffness	Stiffness, MPa (60 sec.)	-18°C	T 313	150-300	189
	m Value			0.300 min	0.323
Creep Stiffness -6°C	Stiffness, MPa (60 sec.)	-24°C	T 313	Report	385
	m Value			Report	0.277
Delta Tc			-	-1 min	-0.9

*Result from subcontractor

Notes: This sample complied with the requirments of UDOT Section 02745 - Asphalt Materials, PG 70-28

Tested By:

Jameson Hulse, Binder Tech

Reviewed By:

Gene Christenbery, Vice President