



# MOUNTAIN STATES ASPHALT INC.

205 s Emerald Rd  
Tooele, UT 84074

SUPERPAVE™ Binder Grade:	PG 64-28NV	Date Recieved:	4/19/2023	By:	JH
Sample ID:	Batch 1				
Sample Condition (ie Good/Open):	Good	Date Tested:	4/19/2023	By:	JH

Test	Temp	Method	Specification	Result
<b>ORIGINAL BINDER</b>				
Viscosity, Pa*s	135°C	T 316	3.0 max	0.693
Dynamic Shear	G*/sinδ, 10 rad./sec., kPa	64°C	T 315	1.00 min 1.33
<b>Additional Requirements</b>				
Sieve Particulate Retained	-	NDOT T730	0	0
Ductility (5 cm/min.), cm	4°C	NDOT T746	50 min	65+
Toughness & Tenacity	Toughness	25°C	NDOT T745	110 min 140.4
	Tenacity	25°C		75 min 97.5
<b>RTFOT RESIDUE</b>				
Mass Change, % (Mass Loss is reported as Negative)		NDOT T728	1.0 max	-0.503%
Dynamic Shear	G*/sinδ, 10 rad./sec., kPa	64°C	T 315	2.2 min 3.03
<b>Additional Requirements</b>				
Ductility (5 cm/min.), cm	4°C	NDOT T 746	25 min	53
<b>PRESSURE AGING RESIDUE (100°C, 300 psi, 20 hr.)</b>				
Dynamic Shear	G*(sinδ), 10 rad./sec., kPa	22°C	T 315	5,000 max 1357
Creep Stiffness	Stiffness, MPa (60 sec.)	-18°C	T 313	300 max 114
	m Value			0.300 min 0.367

Notes: This sample complied with the requirments of NDOT Section 703 - Bituminous Materials, PG 64-28

Tested By:

Jameson Hulse, Binder Tech

Reviewed By:

Gene Chrisenbery, Vice President