

Asphalt Mixtures Testing "Rice Density Worksheet"

Source: Source:	Contract Number:		Class Mix:			Mix ID Number:		
Standardized Container Number Mass of Dry Container Mass of Dry Container & Sample A = Mass of Dry Container & Sample A = Mass of Sample = (Mass of Dry Container & Sample — Dry Container) D = Mass of Container, Water and Cover (From Standardization Procedure) Water Temperature 77* ± 2"F or 25" ± 1"C E = Mass of Container, Sample, Water and Cover G _{max} (Report to 0.001) = A/A + D - E Theoretical Maximum Density (Report to 0.1 lb/ft²) = G _{max} x 62.245 lb/ft³ Certified Tester: Date: Moving Average of Theoretical Maximum Density (WSDOT SOP 729) Average Theoretical Maximum Density (TMD) Determination • The average of the five (5) most recent TMD's from a given JMF should be used for compaction control. • If less than 5 TMD's are available, the averages will be based on the number of TMD's available, excluding mix design data. See test procedure for additional information.Procedure for additional information. • Procedure for additional information. (1) (2) (3) (4) (5) Moving Average (0.1 lb/ft²) Density Test Date G _{mb} of Compacted Asphalt Mixtures (T 166) Water Temperature 77* ± 1.8"F or 25" ± 1"C A = Specimen Dry Mass C = Specimen Saturated Surface Dry Mass G _{me} (Report to 0.001) = A/B - C Percent Water Absorbed (Report to 0.01) = B-A/B - C Percent Water Absorbed (Report to 0.01) = B-A/B - C	Lab ID Number:		Sample ID Number: Acceptance			Acceptance N	lumber:	
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Water Temperature $77^{\circ} \pm 2^{\circ} F$ or $25^{\circ} \pm 1^{\circ} C$ $E = Mass of Container, Sample, Water and Cover$ Theoretical Maximum Density (Report to 0.01 lb/ft³) = $G_{mm} \times 62.245$ lb/ft³ Certified Tester: Date: Moving Average of Theoretical Maximum Density (WSDOT SOP 729) Average Theoretical Maximum Density (TMD) Determination • The average of the five (5) most recent TMD's from a given JMF should be used for compaction control. • If less than 5 TMD's are available, the averages will be based on the number of TMD's available, excluding mix design data. See test procedure for additional information. • Procedure for additional information. • Procedure for additional information. (1) (2) (3) (4) (5) Moving Average (0.1 lb/ft³) Density (0.1 lb/ft³) Density Test Date Gmb of Compacted Asphalt Mixtures (T 166) Water Temperature $77^{\circ} \pm 1.8^{\circ} F$ or $25^{\circ} \pm 1^{\circ} C$ A = Specimen Dry Mass C = Specimen Weight in Water B = Specimen Saturated Surface Dry Mass Gmb (Report to 0.001) = $\frac{A}{B-C}$ Percent Water Absorbed (Report to 0.01) = $\frac{B-A}{B-C}$ × 100	A = Mass of Sample = (Mass							
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B-C	G_{mb} (Report to 0.001) = $B - C$							
Certified Tester: Date:	FEIGEIL WAIEL AUSUIDEU INEUULI IU UU II - X 100							
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