

ARIZONA DEPARTMENT OF TRANSPORTATION ASPHALTIC CONCRETE TABULATION – IGNITION FURNACE

#10 #16 #16 #30 #30 #40 #40 #50 #50 #100 #100 #200 #100 #200 #100 <tr< th=""><th>USE CAPITAL LETTERS LAB NUMBER</th><th>UNIT NUMBERMATL</th><th>TYPE POSE</th><th>- TEST <u>LAB SIZE SIZE %</u></th></tr<>	USE CAPITAL LETTERS LAB NUMBER	UNIT NUMBERMATL	TYPE POSE	- TEST <u>LAB SIZE SIZE %</u>
ILSI NO. SUFFIX SAMPLED EY MO DAY YER IIME MULTARY SAMPLED FROM UF NO. ROWY STATION IF MLEPOST, NPUL DECIMAL ORIGINAL SOURCE PROJECT ENCINEER/ PROJECT NUMBER TACS NUMBER ORIGINAL SOURCE PROJECT ENCINEER/ PROJECT NUMBER TACS NUMBER ORIGINAL SOURCE PROJECT ENCINEER/ PROJECT NUMBER TACS NUMBER ORIGINAL SOURCE PROJECT ENCINEER/ CONTACT NUMBER TACS NUMBER OWNER FACTOR = 100 ISMITTON FURNACE COMPRETION OWNER FACTOR = 100 ISMITTON FURNACE COMPRETION VELOTINE = 100 ISMITTON FURNACE COMPRETION VIEL = 0 100 ISMITTON FURNACE COMPRETION VIEL = 100 ISMITTON FURNACE COMPRETION ISMITTON FURNACE VIEL = 0 100 ISMITTON FURNACE ISMITTON FURNACE VIEL = ISMITTON FURNACE ISMITTON FURNACE ISMITTON FURNACE 102 = 0 ISMITTON FURNACE </td <td></td> <td></td> <td></td> <td></td>				
SAMPLED FROM LIFT NO. RUW STATION IF MLEPOST, INFUT DECIMAL PROJECT ENGINEER / SUPERVISOR PROJECT ENGINEER / POJECT NUMBER TRACS NUMBER ORIGINAL SOURCE PROJECT ENGINEER / SUPERVISOR PROJECT NUMBER TRACS NUMBER Image: State of the state of th	TEST_NOLOT_OR TEST_NOSUFFIX	SAMPLED BY	MO DAY YE	
Image: Section of the section of th				
ORIGINAL SOURCE PPOJECT PRIJOR PROJECT NUMBER TRACS NUMBER Image: Source of the source o	SAMPLEI	D FROM	LIFT NO. RDWY	STATION
Image: Sector of the		PROJECT ENGINEER / SUPERVISOR		,
$ \begin{array}{c} \hline \\ \hline $		ПЕМИНКО		
WEIGHT RETAINED * RET * PLASS SPECS ARIZ. 427 ARIZ. 427 Marshall = M COMPACTION 3'	100			NUMBER
3' a. Wet Mass of Macure a. Wet Mass of Macure <td< td=""><td>• COARSE SIEVE 1</td><td>ARIZ. 427</td><td></td><td></td></td<>	• COARSE SIEVE 1	ARIZ. 427		
2.1/2 1 <td></td> <td>a. Wet Mass of Moisture</td> <td>g</td> <td></td>		a. Wet Mass of Moisture	g	
2* 1	2 1/2"	b. Dry Mass of Moisture		
11/2		Sample	g	
11 1	1 1/2″	c. Moisture Content (ARIZ -	406) %	
3/4"	1″			
1/2	3/4″			[(Gmm) x (62.3)]
3/8' Average Bulk Average Bulk Average Bulk Average Bulk Average Bulk D. Sp. Gr. (Gmb) I #4 I	1/2″		g	MADOHALI
1/4" #4 #4 #4 #4 #4 #4 #4 #8 #10 #10 #110 #110 #110 #110 #110 #110 #110 #110 #110 #110 #110 #110 #110 #111 #111 #110 #111 #110 #111 #111 #110 #110 #110 #110 #110 #111 #111 #111 #111 #111 #111 #111 <td>3/8″</td> <td>a Mass of Sample and</td> <td></td> <td>Average Bulk</td>	3/8″	a Mass of Sample and		Average Bulk
H^{H} Image of Sample Image o	1/4″	Basket Assembly	g	O.D. Sp. Gr. (Gmb)
#8 #8 -#8 -#8 Image: Content (1 - k - c - 1) Weight of Pass #8 Split Image: Content (1 - k - c - 1) Weight of Pass #8 Split Image: Content (1 - k - c - 1) Weight of Pass #8 Split Image: Content (1 - k - c - 1) Weight of Pass #8 Split Image: Content (1 - k - c - 1) Weight of Pass #8 Split Image: Content (1 - k - c - 1) #10 Image: Content (1 - k - c - 1) #10 Image: Content (1 - k - c - 1) #10 Image: Content (1 - k - c - 1) #10 Image: Content (1 - k - c - 1) #10 Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1) Image: Content (1 - k - c - 1)	#4			
- #8 Interpretative Interpretative<	#8	(e - d)	└ │ │ ↓ ÿ	
Total	- #8	g. Ignition Furnace Set	D° C	
weicherts Retained % Ret % Ret <td>Weight of Pass # 8 Split FINE FACTOR</td> <td>h. Mass of Sample and Basket Assembly After Ignition</td> <td>a</td> <td>1 - Bulk Density Max Density × 100</td>	Weight of Pass # 8 Split FINE FACTOR	h. Mass of Sample and Basket Assembly After Ignition	a	1 - Bulk Density Max Density × 100
WEIGHT'S RETAINED % RET % PASS SPECS #10	= p	Wt. of Pass #8 Split i. Mass of Sample After	g	Stability Ibs
#10		SPECS		Flow 0.01 ir
#30 Image: Content of the second		j. Uncorrected Asphalt Bind Content [(f - i) /f] × 100	ler %	
#40 Image: Construction of the second se		k Asphalt Binder Content	(+)	
#50 Image: Constraint of the second seco		Calibration Factor		Density (% Gmm) at Ndesign
#100 #100 #100 Image: Construction of the second sec		I. Ignition Furnace Correction (Tank Slab Correction)	^{on} (±) %	Air Voids = %
#200				
-#200		M. Corrected Asphalt Bind Content (j-k-c-l)	er 🥼 %	100 - Density % (Gmm)
Total q = Dry Weight Elutri-	#200	n Design Asnhalt Binder	<u> </u>	at Ndesign
Elutri- o. Elapsed Time of Test (minutes) WHITE				
	Elutri-	Confected	nutes)	
ation - - % Pass YELLOW % Pass No. 200 % No. 200 BLUE	% Pass No. 200 (4)			

TEST OPERATOR AND DATE

SUPERVISOR AND DATE

44-9372 R1	2/17 (BACK)							maxi utiliz	mples were mum densit zing "Wsd"	ty is deteri	mined
Rice Test (/	ARIZ 417)							belov	N:		
FLASK NUMBER OR I.D.	"Wf" WT. OF FLASK	"Wmm" WT. OF SAMPLE IN AIR Wfs - Wf	"B" WT. OF FLASK + WATER	"C" WT. OF FLASK + SAMPLE + WATER Wa - Wp	"Vvm" VOLUME OF VOIDLESS MIX Wmm + B - C	"Gmm" MAXIMUM SPECIFIC GRAVITY <u>Wmm</u> Vvm	MAXIMUM DENSITY (Ibs./cu. ft.) Gmm x 62.3	"Wsd" SURFACE DRY WEIGHT	"Vvm" VOLUME OF VOIDLESS MIX Wsd + B - C	"Gmm" MAXIMUM SPECIFIC GRAVITY <u>Wmm</u> Vvm	MAXIMUM DENSITY (Ibs./cu. ft.) Gmm x 62.3
											-
AVERAGE				, 		REMARKS:					
FLASK SAMF	-					nLIVIANNO.					
	K + SAMPLE,										
WATER + GL	SK + SAMPLE ASS PLATE, '	"Wa"									
WI. OF GLA	SS PLATE, " V	Vp"									
Marshall Cc Specimens cc Specimen I.D Specimen He Bulk Specific A = mass, in g specimen B = mass, in g specimen C = mass, in g specimen Bulk O.D. Sp. % Absorption Bulk Density (Marshall Stab Stability Correc Corrected Ma	pompacted by: ight (0.001 in.) Gravity, Bulk grams, of in air grams, of SSE in air grams, of Gr = $\frac{A}{B-C}$ $Gr = \frac{B-A}{B-C} \times 10^{-1}$ (lbs./cu.ft.) wility Reading elation Ratio arshall Stability	Hand ☐ M =) = Density, & Ab = = 00 = = 00 = = (=	lechanical sorption of S	4" 🗌 6" [AVERAC	GE (Gmb) = =		Coarse S Fine Siev Furnace Moisture Rice Test Marshall Gyratory Bulk Sp. Stability Flow Bulk Sp. Stability Flow	PERATOR & D ieve e Compaction Compaction Gr NSITY = Gmb) x 62.3 =	
	nm), at Ninitial nm), at Ndesig nm), at Nmax	(gyra gn(gy (gyra	= tions) = rrations) = ations) =	· · · · · · · · · · · · · · · · · · ·	(((()))	Make Model	ory Compacto	or		
Bulk Specific (A = Mass, in g			rption of Spec	cimens (ARIZ 4	115, Method A	or Method	CL)				
at Nmax i B = Mass, in c at Nmax i C = Mass, in c at Nmax i Gmb = Bulk S	n Air grams, of SSE n Air grams, of spe n Water Specific Gravit cimen at Nma) specimen cimen $x = \frac{A}{B - C}$	=				AIR 1	/OIDS = Average Rela Density (% Gi at Ndesign	mm) = 100 - () =	%
	0 0				() AVE	RAGE =				

Relative Density (% Gmm)		
of each specimen	=	
at Ndesign		L
	of each specimen	of each specimen =

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(Gmb at Nmax) x (Height at Nmax)	x 100
(Maximum Specific Gravity "Gmm") x (Height at Ndesign)	X 100