



Oklahoma Department of Transportation Mix Design Report

Asphalt Concrete, Type S4 (PG 64-22 OK) Mat'l. Code: asco012 (Material Full Name and Material Code)

Binder ID: B1 (Design Type and Design Type ID)

Quapaw Co P/S # m00342 (Producer/Supplier Name and Producer/Supplier Code)

S4pv0261380300 (Mix ID)

Quapaw Co (Drumright, OK) - 300TPH PLANT ID # m00342-01 (Plant Name and Plant ID)

Table with columns: Aggregate, Producer/Supplier, % USED. Rows include 5/8" Chips, 3/8" Chips, Coarse Scrns., Fine Scrns., Sand, and Asphalt Cement details.

Table with columns: Producer/Supplier, Sieve Size, 5/8" Chips, 3/8" Chips, Coarse Scrns., Fine Scrns., Sand, Comb. Agg., JMF, Min., Max., % Tol. Includes a blue box: 'Requires Form 93-E0 signed by the Department for production use. -Oklahoma D.O.T. Materials-'

Mix temperature @ discharge from mixer: 305 (152) ± 20 °F (± 10 °C)
Optimum roadway compaction temperature: 290 (143)
Laboratory mixing temperature: 325 (163)
Laboratory compaction temperature: 300 (149)

Table with columns: Tests on Asphalt Cement, Found. Row: Specific Gravity @ 77 ° F, 1.0100

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Table with columns: Tests on Compressed Mixtures (@ Design AC), # Gyr., % Density of Gmm, % Density Required. Rows: Nini, Ndes

Table with columns: Tests on Aggregates, Required, Units. Rows: Durability Index, F.A.A. %U, Flat and Elongated, Fractured Faces, Insoluble Residue, LA Abrasion, Micro-Deval, Permeability, Sand Equivalent, Gse, Gsb, Specimen Weight

Table with columns: Tests on Compressed Mixtures, %AC, Gmb, Gmm, % Density of Gmm, % Density Required, % VMA, % VMA Required, % VFA, % VFA Required

Dust Prop. 1.3, 1.1, 1.0
ITS (PSI) 152.6 N/A min.
TSR 0.82 0.80 / 0.75 min. (Design / Field)
Compacted Wt. (lbs/sy/1" thick) = 113.3 @ 4.8 % Asphalt Cement

Hamburg Rut Test Depth (mm) 2.42 12.50 max. @ 10,000 cycles

MEETS SPECIFICATION REQUIREMENTS PER SPECIAL PROVISION 708-26(a-f) 09

Comments: [Empty box]

Last Modified By: Schratwieser, Edward P. eschratw (User Name and User ID)

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