

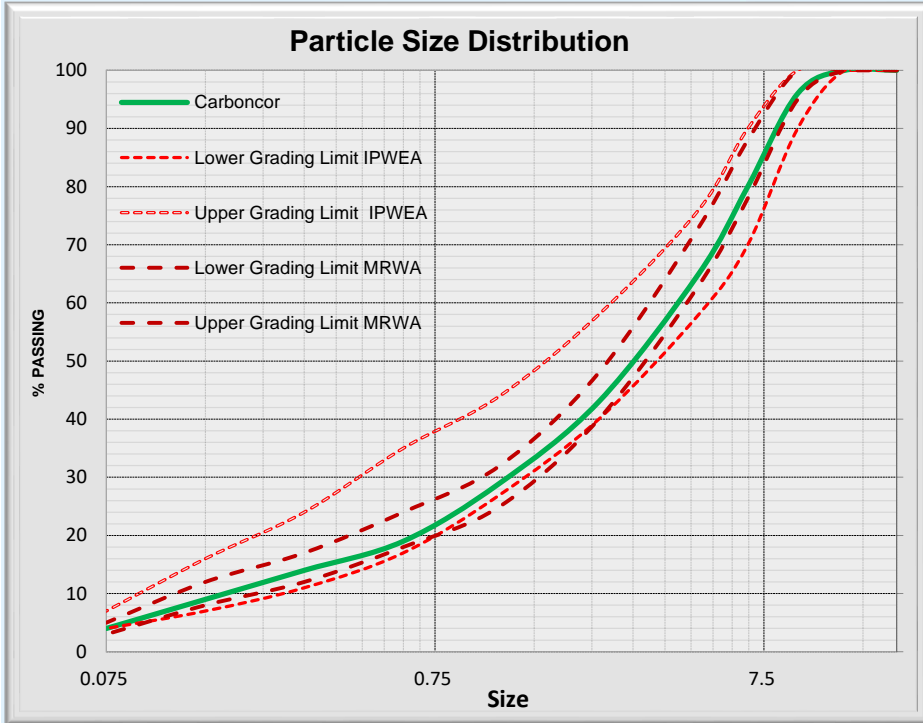
Asphalt Test Report

*tested in accordance with WA *730.1, WA *732.2, WA *731.1, WA 210.1, WA* 2891.5*

Client	Carboncor Australia	Ticket No.	A3698
Client Address	2 Pearl Court ,Darwin	Report No.	LLS18/4458_1_
Project	Material Assessment	Sample No.	LLS18/4458
Sampling Location	Sampled From Bag	Sampled By	Client
Sample Identification	10mm Nominal Cold Mix Asphalt	Date Tested	21/09/2018
Marshall Blows	50	Binder Preparation	N/A
Binder Type	Carboncor Proprietary owned 60/40 Emulsion	Wet or Dry Sieved	Dry Sieved

PARTICLE SIZE DISTRIBUTION - ANALYSIS BY SIEVING

WA 210.1



Sieve Size (mm)	Combined Grading % Passing
19.0	100
13.2	100
9.5	96
6.70	80
4.75	65
2.36	43
1.18	29
0.600	19
0.300	14
0.150	9
0.075	4

Asphalt Mix Volumetrics / Marshall Properties

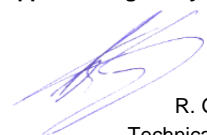
Test	Test Result	Mainroads Western Australia Specification 504 Wearing Course AC10 (Freeways and Highways)	IPWEA/AAPA Asphalt Specification- DENSE GRADED: Highways, Arterial, Industrial and Distributor Roads AC10
Compaction Temp (°C)	145.3	140°C - 170°C	140°C - 170°C
Maximum Density (tm ³)	2.412	N/A	N/A
Bulk Density (tm ³)	2.305	N/A	N/A
Air Voids (%)	5.5	4.0% - 7.0%	4.0% - 6.0%
V.M.A (%)	16.2	Min 15.0%	Min 15.0%
V.F.B(%)	69.3	N/A	N/A
Stability (kN)	22.3	Min 8kN	Min 8kN
Flow (mm)	3.4mm	2.0mm - 4.0mm	2.0mm - 4.0mm
Bitumen Content (%)	5.2%	5.1%-5.7%	5.0% - 7.0%

Approved Signatory



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Name
Function
Issue Date



R. Grieve
Technical Manager
07-October-2018