

- 1. PRODUCT NAME:**
 CQS for Chip Seal
 SealMaster®/Hawaii
- 2. CRUDE SOURCE:**
 Asphalt Hawaii
- 3. MANUFACTURER:**
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| METHOD | TEST | MIN | MAX |
|---|----------------------------|------|----------|
| T-59/D-6933* | Sieve, % | - | 0.10 |
| T-72/D-88 | Viscosity @ 122°F, sfs | 100 | 400 |
| T-59/D-D6930* | Storage Stability, 24-h, % | - | 1 |
| T-59/D-7402* | Particle Charge | | Positive |
| T-59/D-6997* | Residue, % | 65 | - |
| T-59/D-6997* | Oil Distillate, % | - | 3 |
| TESTS ON RESIDUE: | | | |
| T-49/D-5 | Penetration, 0.1mm | 40 | 90 |
| T-51/D-113 | Ductility, cm | 40 | - |
| T-44/D-2042 | Solubility, % | 97.5 | - |
| (Test run by: Asphalt Technologies, Inc.) | | | |

*Formerly part of ASTM D-244

CQS for Chip Seal is asphalt emulsion designed specifically for the Hawaiian Islands as an alternative to CRS-2h chip emulsion. It is designed to set quickly like a rapid set emulsion, while allowing for stability during shipping and more workability for the contractor.

The above tests meet AASHTO M-208 and ASTM D-2397 requirements for CRS-2, with the exception of ASTM D-5 and ASTM D-6936. CQS for Chip Seal does not meet ASTM D-5 because local asphalt supply is hard base asphalt. This product does not meet ASTM D-6936 (demulsibility) to prevent the emulsion from breaking during shipping. Rapid set emulsion with a high demulsibility (rapid set time) such as CRS-2h would break during the harsh shipping conditions in Hawaii.

SealMaster warrants that Product meets the chemical composition and performance requirements set forth in Technical Data. Liability to the buyer or user of this product is limited to the replacement value of the product only.

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