



| Contact Information | |
|---------------------|-----------|
| Name | Telephone |

| | |
|------------|-----------------------|
| Product | |
| Product ID | Date Sampled/Received |

Long Term HECP Mulch Technical Data Sheet for Washington State DOT Projects

Table 1: Test Facility Information
Note: Test results must be dated within 3 years prior to the date of application from an independent, accredited laboratory

| | |
|-------------------------|-------------------|
| Laboratory Name | |
| Laboratory Batch Number | Laboratory Number |
| Analyst | Date of Test |

Table 1 HECP Requirements
 These test requirements apply to the fully mixed product, including tackifiers, dyes, or other additives that may be included in the HECP final product in its sprayable form.

| Properties | Test Method | Requirements | Product Test Results* To be Filled in by Industry |
|----------------|--|---|--|
| Acute Toxicity | EPA-821-R-02-012 Methods for Measuring Acute Toxicity of Effluents. Test leachate from recommended application rate receiving 2 inches of rainfall per hour using static test for No-Observed-Adverse-Effect-Concentration (NOEC). | Four replicates are required with no statistically significant reduction in survival in 100 percent leachate for a Daphnid at 48 hours and Oncorhynchus mykiss (rainbow trout) at 96 hours. | |
| Solvents | EPA 8260B | Benzene - < 0.03 mg/kg | |
| | | Methylene chloride - < 0.02 mg/kg | |
| | | Naphthalene - < 5 mg/kg | |
| | | Tetrachloroethylene - < 0.05 mg/kg | |
| | | Toluene - < 7 mg/kg | |
| | | Trichloroethylene - < 0.03 mg/kg | |
| | | Xylenes - < 9 mg/kg | |
| Heavy Metals | EPA 6020A Total Metals | Antimony - < 4 mg/kg | |
| | | Arsenic - < 6 mg/kg | |
| | | Barium - < 80 mg/kg | |
| | | Boron - < 160 mg/kg | |
| | | Cadmium - < 2 mg/kg | |
| | | Total Chromium - < 4 mg/kg | |
| | | Copper - < 10 mg/kg | |
| | | Lead - < 5 mg/kg | |
| | | Mercury - < 2 mg/kg | |
| | | Nickel - < 2 mg/kg | |
| | | Selenium - < 10 mg/kg | |
| | | Strontium - < 40 mg/kg | |
| | | Zinc - < 30 mg/kg | |

Table 2(a): Test Facility Information (ASTM D6459)

Note: A National Transportation Product Evaluation Program (NTPEP) test report, generated on or after November 1, 2015, and thereafter on a 5-year interval.

| | |
|-------------------------|-------------------|
| Laboratory Name | |
| Laboratory Batch Number | Laboratory Number |
| Analyst | Date of Test |

**Table 2
Long-Term Mulch Test Requirements**

| Properties | Test Method | Requirements | Product Test Results* To be Filled in by Industry |
|--|--|--|--|
| Performance in Protecting Slopes from Rainfall-Induced Erosion | ASTM D6459. Test in one soil type. Soil tested shall be sandy loam as defined by the NRCS Soil Texture Triangle. | C Factor = 0.01 maximum Revised Universal Soil Loss Equation (RUSLE) | |

Table 2(b): Test Facility Information (ASTM D7367; AASHTO T267; ASTM D7322)

Note: A test report must be from an independent, accredited laboratory, generated on or after July 15 of 2017, and thereafter on a 5-year interval.

| | | | |
|------------------------------|-------------|---------------------|--|
| Laboratory Name | | | |
| Laboratory Batch Number | | Laboratory Number | |
| Analyst | | Date of Test | |
| Water Holding Capacity | ASTM D7367 | 800 percent minimum | |
| Organic Matter Content | AASHTO T267 | 90 percent minimum | |
| Seed Germination Enhancement | ASTM D7322 | 420 percent minimum | |

* All testing must be conducted using the **Test Method** indicated in Table 1, unless otherwise noted. All results must be presented in the same units and concentrations indicated in the **Requirements** column of this Table. Failure to provide results using the required **Test Method** and **Requirements** format will not be reviewed or considered. Test results must have been performed within the past three years from the date of this submission and be representative of the current product ingredients.