All States Materials Group®

# Aggregates Summary

| Source / Location | Contact Information | Rock Classification: Granite |
|---|---|---|
| Mitchell Materials, LLC<br>20 Payne Road / Route 10<br>Winchester, NH | Ph: (603) 357-0881<br>aggregate@asmg.com | |

**AASHTO T-27**
Sieve Analysis of Fine and Coarse Aggregate

| % Passing | Hard Pack | 3" CR Gravel | 3/4" CR Gravel | 1 1/2 CR Gravel | 1 1/2" | 3/4" | 1/2" | 3/8" | Man Sand | Stone Dust | NFLD Sand |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **2"** | 100 | 90 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| **1 1/2"** | 100 | 82 | 100 | 99 | 98 | 100 | 100 | 100 | 100 | 100 | 100 |
| **1"** | 98 | 76 | 100 | 89 | 63 | 100 | 100 | 100 | 100 | 100 | 100 |
| **3/4"** | 93 | 70 | 98 | 80 | 21 | 95 | 100 | 100 | 100 | 100 | 100 |
| **1/2"** | 84 | 59 | 88 | 67 | 4 | 18 | 84 | 100 | 100 | 100 | 100 |
| **3/8"** | 77 | 54 | 78 | 60 | 2 | 7 | 29 | 98 | 100 | 100 | 100 |
| **#4** | 63 | 40 | 58 | 45 | 1 | 2 | 4 | 22 | 98 | 99 | 88 |
| **#8** | 51 | 32 | 40 | 32 | - | 1 | 2 | 3 | 73 | 72 | 68 |
| **#16** | 39 | 25 | 30 | 23 | - | - | 1 | 1 | 44 | 51 | 50 |
| **#30** | 28 | 20 | 24 | 18 | - | - | - | - | 26 | 33 | 27 |
| **#50** | 16 | 15 | 19 | 14 | - | - | - | - | 14 | 21 | 15 |
| **#100** | 9 | 11 | 14 | 10 | - | - | - | - | 8 | 13 | 9 |
| **#200** | 4.7 | 7.2 | 10.8 | 7 | - | - | - | - | 4 | 6.0 | 3.8 |

| | | | |
|---|---|---|---|
| **ASTM D-1557** Method C | Proctor | 139.3 | 143.6 |
| | Opt. Mc. | 6.2 | 5.8 |

| | | |
|---|---|---|
| FM = | 3.3 | 3.0 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **AASHTO T-84** (Fine Aggregate) | Bulk Specific Gravity | 2.673 | 2.672 | 2.644 | 2.629 | 2.632 | 2.620 |
| | Specific Gravity (SSD) | 2.690 | 2.691 | 2.667 | 2.661 | 2.659 | 2.663 |
| **AASHTO T-85** (Coarse Aggregate) | Apparent Specific Gravity | 2.719 | 2.725 | 2.703 | 2.715 | 2.706 | 2.737 |
| | Absorption | 0.6% | 0.7% | 0.8% | 1.2% | 1% | 1.6% |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **ASTM D-5821** | Fractured Particles (1 face / 2 face) | 100% | 100% | 100% | | - | - |
| **ASTM D-4791** | Flat / Elongated | 0% | 0% | o% | | - | - |
| **AASHTO T-304** | Uncompacted Voids | - | - | - | - | 51.5% | 44.0% |
| **AASHTO T-176** | Sand Equivalent | - | - | - | - | 70% | 79% |
| **AASHTO T-19** | Dry Rodded Unit Wt. (lbs./cu.ft) | 97 | 97 | 94 | 106 | 112 | 118 |

**AASHTO T-96**
Resistence to Abrasion of Small Size Coarse Aggregate by use of Los Angeles Abrasion Machine

| | | | | | |
|---|---|---|---|---|---|
| **Grading** | A | **Revolutions** | 500 | **Percent Loss (Average)** | 22.0 |
| **Grading** | B | **Revolutions** | 500 | **Percent Loss (Average)** | 21.0 |

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