



CARBON BLACK QUALITY INSPECTION REPORT

Products Standard: ASTM D1756-2010

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|--|---------------|--------------------|-----------------|--------------------|-------------|-------------|-----------|
| Product Name | N326 | Lab No | 2016-142-1 | Date of Production | Aug 12,2016 | | |
| Sample No. | 11602175-0813 | Product Quality(t) | 20.0 | Date of Analysis | Aug 14,2016 | | |
| ITEM | | Target Value | Test Data | Test Method | | | |
| Appearance | | Black Particles | Black Particles | Visual Inspection | | | |
| Iodine Absorption Number g/kg | | 82 | 84 | ASTM D-1510 | | | |
| Oil Absorption Number 10 ⁻⁵ m ³ /kg | | 72 | 71 | ASTM D-2414 | | | |
| Oil Absorption Number of Compressed Sample 10 ⁻⁵ m ³ /kg | | 68 | 70 | ASTM D-3493 | | | |
| Tint Strength % | | 111 | 108 | ASTM D-3265 | | | |
| NSA Multipoint 10 ³ m ² /kg | | 78 | 77 | ASTM D-6556 | | | |
| STSA 10 ³ m ² /kg | | 76 | 75 | ASTM D-6556 | | | |
| Heating Loss % ≤ | | 2.0 | 0.2 | ASTM D-1509 | | | |
| Ash Content % ≤ | | 0.7 | 0.18 | ASTM D-1506 | | | |
| 45um Sieve Residue % ≤ | | 0.1 | 0.008 | ASTM D-1514 | | | |
| Impurities | | None | None | ASTM D-1514 | | | |
| Pour Density kg/m ³ | | 455 | 474 | ASTM D-1513 | | | |
| Fines Content % ≤ | | 7 | 3.2 | ASTM D-1508 | | | |
| Stress at 300% Elongation(IRB7#)(MPa) | | -3.6 | -3.0 | ASTM D-3192 | | | |
| Conclusion: Qualified | | | Remarks: | | | | |
| Approved by | Susan Yuan | Checked by | Mark Zhang | Sample | Lily Liu | Analyzed by | Jiang Wei |

The Plaza Group, Inc.