

BLACK B

Test Certificate

No.

2017-201

Subject

Test of Granite

Test Standards

JC/T205-92 (15) Specification for Natural Granite for Building Slab.

GB/T9966-12 Test Methods for Natural Facing Stones

GB/T14506-12 Methods for chemical analysis of Silicate rocks

Description of sample

Each sample of natural granite marked as "Black B" was received on 05-09-2017.

Size of specimens

160x40x20 mm / 11 pcs; 50x50x50 / 15 pcs; 10x10x20 / 3 pcs.

Tested on

17-29 september 2018

Results

1. Physical property testing results*

| Tests | Granite | JC/T205-92(15) Specifications |
|------------------------------|---------|-------------------------------|
| Rock type | - | - |
| Water Absorbtion (%) | 0.14 | 1.00 max |
| Density (g/cm ³) | 2.8 | 2.50 min |
| Flexural Strength (MPa) | 24 | 8.0 min |
| Compressive Strength (MPa) | 189 | 60.0 min |
| Shore hardness (HSD) | 92 | - |

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2. Chemical Property analysis results*

| Tests | Analysis results (%) | Tests | Analysis results (%) |
|--------------------------------|----------------------|-------------------|----------------------|
| L.O.I | 0.07 | CaO | 7.90 |
| SiO ₂ | 52.36 | MgO | 7.25 |
| Al ₂ O ₃ | 15.46 | K ₂ O | 0.99 |
| P ₂ O ₃ | - | Na ₂ O | 2.87 |
| Fe ₂ O ₃ | 10.78 | MnO | 0.17 |
| TiO ₂ | 1.97 | - | - |

*Data might be subject to newer tests performed since generating this test result.