

TECHNICAL DATA REPORT & TEST RESULTS ON THE GRANITE GROUP (DOLORITE)

Testing of rock samples from the Komga Dolorite sill on Prospect farm has been undertaken by the **Council for Scientific and Industrial Research (CSIR)** and by **RockLab** in Pretoria. Table 1, is based on ASTM requirements, indicates whether or not the tests undertaken meet the minimum ASTM requirements.

The results indicate that all the tests conducted are well within the ASTM minimum requirements for Granite dimension stone.

These tests include: Water Absorption, Density Rupture, Compressive Strength & Hardness, Abrasion Resistance, Flexural Strength and Chemical Analysis.

TABLE 1: MINIMUM TEST REQUIREMENTS FOR GRANITE DIMENSION STONE

TEST	ASTM SPECIFICATION	RESULTS	PASS/FAIL
Water Absorption (max) %	0.40	0.03	PASS
Density (min) kg/m ³	2,560	2,990	PASS
Rupture Modulus (min) Mpa	10.34	34.50	PASS
Compressive Strength (min) Mpa	131	339	PASS
Flexural Strength (min) Mpa	8.27	32.64	PASS
Abrasion Resistance (min) La	25	82.1	PASS