



# POLITECNICO DI TORINO

LABORATORIO MARMO

Dipartimento di Ingegneria del Territorio, dell'Ambiente e delle Geotecnologie

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REPORT N. 27/08/2007

DETERMINATION OF PHYSICAL AND MECHANICAL PROPERTIES  
ON A SAMPLE OF A NATURAL STONE NAMED PAIOSA

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Il Coordinatore delle Prove:  
(Dott. Paola Marini)

Visto:  
Il Direttore  
(Prof. Sergio Dequal)



DETERMINATION OF PHYSICAL AND MECHANICAL PROPERTIES ON A SAMPLE OF A NATURAL STONE NAMED  
PAIOSA

**Prot. n. 8451**

Report n° 27/08 of 2007

**DETERMINATION OF PHYSICAL AND MECHANICAL  
PROPERTIES ON A SAMPLE OF A NATURAL STONE NAMED  
PAIOSA**

**Requested by:** Graniti Conrad S.r.l. - Via Nazionale, 6 - 23020 - Piuro (SO) - Italy

**Invoice to:** Graniti Conrad S.r.l. - Via Nazionale, 6 - 23020 - Piuro (SO) - Italy

P.I. 00123140147

Tested stone:

Traditional name: Paiosa

The following tests have been requested:

petrographic examination, according to EN 12407.

Dipartimento di Ingegneria del Territorio, dell'Ambiente e delle Geotecnologie

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## TEST RESULTS

### PETROGRAPHIC EXAMINATION

#### Test method:

The test has been performed according to EN 12407 – 2007 Natural stone test methods – Petrographic examination.

#### Macroscopic description:

The hand sample is white coloured, coarse grained with bright look.

#### Microscopic description:

In the thin section the rock results made up of two different minerals: quartz and white mica.

The quartz ( 60%) shows a distribution of the grain size from 0.05 to 0.2 mm and a typical polygonal fabric (mosaic).

The mica lamina (40%) show a preferred orientation, often are undulated and sometimes bowed, they reach also 2 mm of length.

Apatite, opaque minerals are present in percentage less then 5 %.

The rock is a micaceous quartzite.

The rock does not contain dangerous substances.