



**SVS NATURAL STONE  
& MINING INDUSTRY INC.**

## MARBLE STRUCTURE and GEOLOGICAL CHARACTERISTICS

Our marble field fully covered with beige color group and has no shortage of color or reserve. The samples from the very top of the reserv taken to Istanbul Technical University, Faculty of Mining Enineering labratoery for technical evaluation . As per report given by the Istanbul Technical University dated March 27, 2007 and B.30,2.İTÜ.0.52.02.02/19 numbered has confirmed that our marble has 2.7 density, with no clearence in it, compact, tough and shock resistant, solid, homogeneous limestones. The solid of the marble in our field contain 3.6 Mohs hardness. In terms of this hardness durability granite is considered the nearest beige marble group. Located on the pick of mountain Cengelli with this specifications our stone available for blok production at the mine area, also available for plate production, and Exteremly appropriate for polishing in any marble workshop facility. This field with its group color of beige and high efficiency production become Turkey's largest marble and natural stone reserv.

## CHEMICAL EVALUATION

Table 1 Chemical Analysis in (%)

<i>Elements</i>	<i>Sample M2</i>
<i>Ca0</i>	<i>55,06</i>
<i>Mg0</i>	<i>0,33</i>
<i>Si02</i>	<i>0,36</i>
<i>Fe203</i>	<i>0,03</i>
<i>Mn0</i>	<i>0,013</i>





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## **TECHNICAL EVALUATION**

	<i>Sample M2</i>
<i>Pressure Resistance(MPa)</i>	<i>85,22</i>
<i>Bending Resistance(Mpa)</i>	<i>11,8</i>
<i>Abrasion Loss(cm/50cm2)</i>	<i>9,25</i>
<i>Weight Density (gr/cm3)</i>	<i>2,70</i>
<i>Volume Mass (gr/cm3)</i>	<i>2,69</i>
<i>Water Absorption (%)</i>	<i>0,29</i>
<i>Porosity(%)</i>	<i>0,46</i>
<i>Compactness ratio(%)</i>	<i>99</i>
<i>Water Absorption in Hot Water(%)</i>	<i>0,59</i>
<i>Hardness Degree (Mohs)</i>	<i>3,60</i>



All technical experiments have been made by Istanbul Technical University, Faculty of Mining Engineering Department in their state of art Mechanical of Rock and Natural Stones Laboratory..Examinations and experiments have been completed as per latest technology and methods under Turkish law and regulations.