

Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates (ASTM E313 - 15e1)

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Project Natural Stone Laboratory Testing: "Lefkon Marble"	Project No 010217-E1

Sample description:	"Lefkon Marble"	Sample No	220217-1
Sampling date:	Feb-17	Receiving date:	22-02-17
Sampling site:	Xylalogo Quarry, 59 100 Veria, Greece	Testing date:	28-02-17
Sampling execution:	Client		

Coloration coordinates

x	0.31
y	0.33

Luminance Factor

$Y\%$	80.4
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CIE parameters

x_n	0.3127
y_n	0.3290
WI, x	800
WI, y	1700

Whiteness Index

$$WI = Y\% + WI_{x} \cdot (x_n - x) + WI_{y} \cdot (y_n - y) = \mathbf{80.8}$$