



Legal Translation

النموذجي للترجمة القانونية و السكرتارية *Ideal Legal Translation & Secretarial*

ترجمة قانونية

STATE OF QATAR

Ministry of Municipal & Urban Planning

Rayyan Municipality

Tel.: 4819222 – 4825444 – P.O. Box: 90224 Doha – Qatar

ISO 9001:2000 Certified

Bureau Veritas Certification

Subject: Certificate To Whom It May Concern

Results of experimenting the Zeoplant product on the growth of Bermuda grass and ground covers, in Al Luqta garden, Rayyan Municipality, Qatar.

Experimenting Zeoplant on the growth of Bermuda grass:

The Public Gardens Department in Rayyan Municipality, in collaboration with Abba Agriculture and Resources Company, continued to try Zeoplant product in Al Luqta Family Garden, after being mixed with the soil at a rate of 3 kilograms per square meter, and in depth of 7 to 10 centimeters, then planting grass stolons by implantation without any organic or mineral additions to the experiment site, in the period extending from 20 May 2010 to the end of October 2010, on an area estimated by 84 sq. m.

Germination (Generation) Period:

The water added to a square meter during the first month after implantation was 9 liters / sq. m., equivalent to 60% of the recommended irrigation rates according to the Qatari specifications for such period of trial, which is 15 liters / sq. m., i.e. saving irrigation water by 40 % when laying the foundation for planting.

Germination and covering of the grass in a Zeoplant area, in spite of the decreased irrigation rate, were relatively better in comparison with zeoplant-free Al Shahed area, and the consistency of growth and color was clear in comparison with Al Shahed area.



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Maturity and Maintenance Period:

The green surface has maintained consistency of its growth and color in spite of decreasing the water added to the square meter after one month from implantation from 9 liters / sq. m. to 7 liters / sq. m., equivalent to 47% of the recommended irrigation rates according to the Qatari specifications for such period of the year, i.e. saving irrigation water by up to 53%.

In addition to specifications of the grass above the ground surface, and after examining growth of roots and their intensity and spread in zeoplant soil, it has become clear that the roots intensity and spread and color are not different from those existing in Al Shahed area in spite of decreasing the irrigation rate.

Ground Covers:

No difference has appeared in the growth of the ground covers implanted in a ground mixed with zeoplant product against others that are implanted in Al Shahed area in spite of decreasing the irrigation water up to 3,6 liters / sq. m., equivalent to 36% of the recommended irrigation rates according to the Qatari technical specifications amounting to 10 liters / sq. m., i.e. saving irrigation water by 64%.

At the beginning of October, we have implemented arbitrary mowing together with vertical cutting then ventilation while maintaining a quantity of 7 liters / sq. m. and the green surface sustained the previous results in the generation and maintenance period in comparison with Al Shahed area in spite of the decreased irrigation rate.

Kindly accept best regards and respects,,

(Signed)

Eng. Jamal Matar Al Nuaimi
Rayyan Municipality Director



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