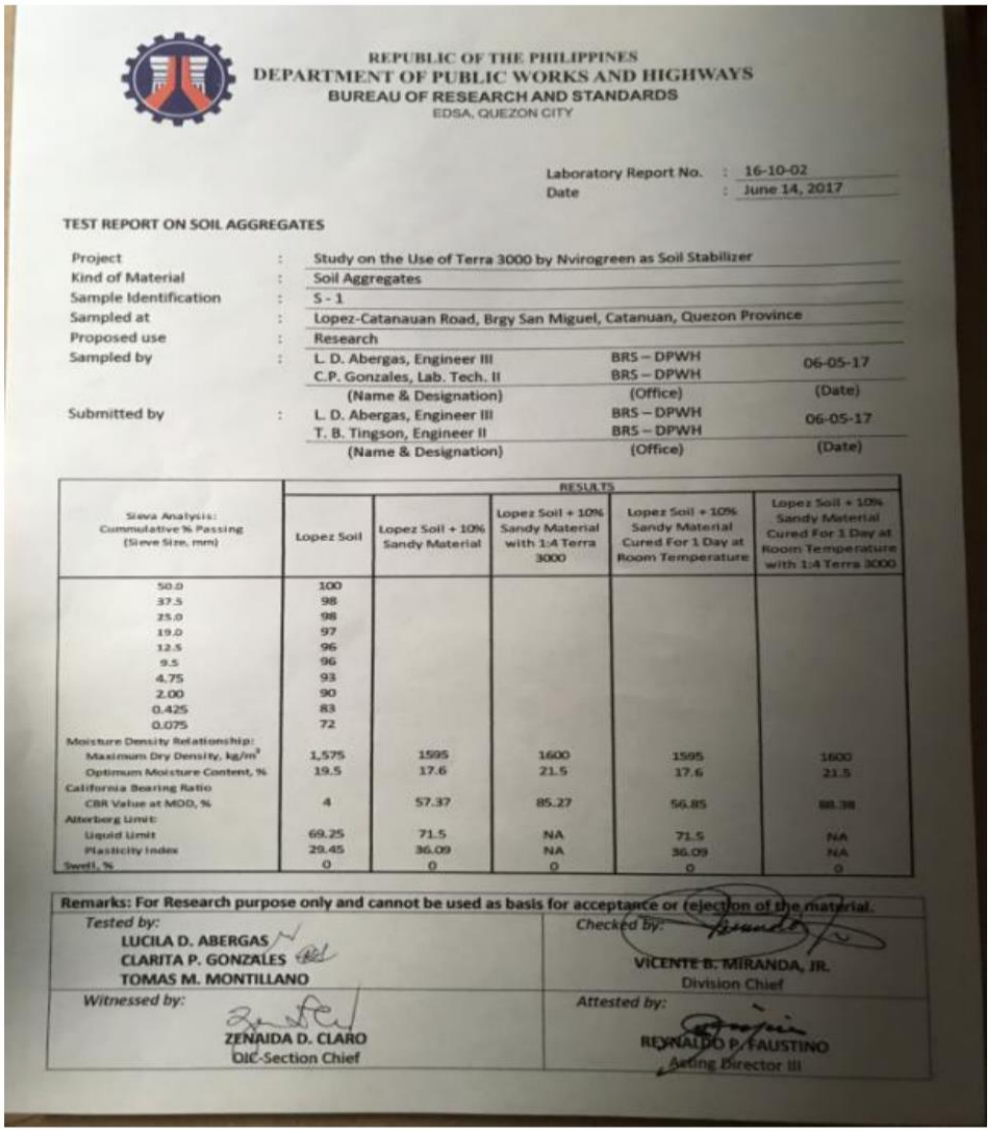
TERRASYSTEM®

TERRA-3000® TEST RESULTS
JUNE 14, 2017

Republic of the Philippines
Department of Public Work and Highway
Bureau of Research and Standards

The test results are a culmination of approximately eight months in-situ and lab testing.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
BUREAU OF RESEARCH AND STANDARDS
EDSA, QUEZON CITY

Laboratory Report No. : 16-10-02
Date : June 14, 2017

TEST REPORT ON SOIL AGGREGATES

Project	:	Study on the Use of Terra 3000 by Nvirogreen as Soil Stabilizer		
Kind of Material	:	Soil Aggregates		
Sample Identification	:	S - 1		
Sampled at	:	Lopez-Catanauan Road, Brgy San Miguel, Catanuan, Quezon Province		
Proposed use	:	Research		
Sampled by	:	L. D. Abergas, Engineer III	BRS – DPWH	06-05-17
		C.P. Gonzales, Lab. Tech. II	BRS – DPWH	
		(Name & Designation)	(Office)	(Date)
Submitted by	:	L. D. Abergas, Engineer III	BRS – DPWH	06-05-17
		T. B. Tingson, Engineer II	BRS – DPWH	
		(Name & Designation)	(Office)	(Date)

Sieve Analysis: Cummulative % Passing (Sieve Size, mm)	RESULTS				
	Lopez Soil	Lopez Soil + 10% Sandy Material	Lopez Soil + 10% Sandy Material with 1:4 Terra 3000	Lopez Soil + 10% Sandy Material Cured For 1 Day at Room Temperature	Lopez Soil + 10% Sandy Material Cured For 1 Day at Room Temperature with 1:4 Terra 3000
50.0	100				
37.5	98				
25.0	98				
19.0	97				
12.5	96				
9.5	96				
4.75	93				
2.00	90				
0.425	83				
0.075	72				
Moisture Density Relationship:					
Maximum Dry Density, kg/m³	1,575	1595	1600	1595	1600
Optimum Moisture Content, %	19.5	17.6	21.5	17.6	21.5
California Bearing Ratio					
CBR Value at MDD, %	4	57.37	85.27	56.85	88.38
Atterberg Limit:					
Liquid Limit	69.25	71.5	NA	71.5	NA
Plasticity Index	29.45	36.09	NA	36.09	NA
Swell, %	0	0	0	0	0

Remarks: For Research purpose only and cannot be used as basis for acceptance or rejection of the material.

Tested by:
LUCILA D. ABERGAS
CLARITA P. GONZALES
TOMAS M. MONTILLANO

Checked by:
VICENTE B. MIRANDA, JR.
Division Chief

Witnessed by:
ZENAIDA D. CLARO
OIC-Section Chief

Attested by:
REYNALDO P. FAUSTINO
Acting Director III

An independent test result of CBR 88.38.

Nvirogreen and ROP: Department of Public Works Bureau of Research and Standards teams in action.

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