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Athens, 2 October 2015

Subject: Test Report

We present the mean values of the results from the analysis of ten compost samples taken from ten separate compost bags with the commercial name "Humo-oliva"

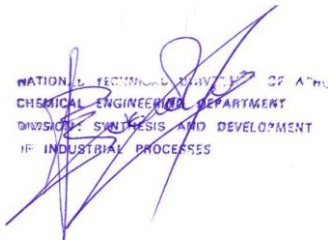
Visual All material is dark brown. Parent material is no longer visible. Structure is mixture of fine and medium size particle and humus crumbs.

Odor Smells like rich humus from the forest floor; no ammonia or anaerobic odor.

physical parameters					Evaluation Method
apparent density	g/l	690	+/-	45	Method book of BGK
dry matter (DM)	%	81.93	+/-	4.6	Method book of BGK
water content	%	18.07	+/-	4.6	Method book of BGK
Cation Echange Capasity	meq/100g	48	+/-	5.5	ASA 41-2.2
pH		7.9	+/-	0.3	TMECC
Electric Conductivity	µS/cm	920	+/-	250	TMEC 04.15
soil improvement					
organic matter (OM) in DM	%	79	+/-	5.2	Method book of BGK
alkaline-effective substances (CaO) in DM	%	5.08	+/-	1.2	Method book of BGK
Total Organic Carbon (TOC) in DM	%	35.16	+/-	2.33	Method book of BGK
Water Holding Capacity (WHC)	%	185	+/-	25	TMECC
Germination Index (GI)	%	157	+/-	22	TMECC
Humic acid (HA)	%	3.2	+/-	1.2	TMECC
Fulvic acid (FA)	%	2.4	+/-	0.5	TMECC
C:N ratio		16.17	+/-	2.16	calculated
plant nutrient					
total Nitrogen, (N) in DM	%	2.3	+/-	0.47	Method book of BGK
total phosphate (P2O5) in DM	%	0.65	+/-	0.25	Method book of BGK
total Potassium (K2O) in DM	%	1.84	+/-	0.51	Method book of BGK
total Magnesium (MgO) in DM	%	0.36	+/-	0.09	Method book of BGK
total Sulfur (S) in DM	%	0.29	+/-	0.025	EN ISO 11885
Ammonium (N-NH4) of OM	mg/l	2.21	+/-	0.188	Method book of BGK
Nitrate (N-NO3) of OM	mg/l	1.17	+/-	0.12	Method book of BGK
total Boron (B) in DM	mg/kg	38	+/-	3.4	EN ISO 11885
Sodium (Na) in DM	mg/kg	423	+/-	4.58	EN ISO 11886
Manganese (Mn) in DM	mg/kg	105.5	+/-	30.5	EN ISO 11887

Molybdenum (Mo) in DM	mg/kg	0.95	+/-	0.12	EN ISO 11888
total Iron (Fe) in DM	mg/kg	2640	+/-	740	EN ISO 11889
Cobalt (Co) in DM	mg/kg	1.65	+/-	0.14	EN ISO 11890
Selenium (Se) in DM	mg/kg	0.5	+/-	0.04	DIN EN ISO 17294-2 (E29)
Copper (Cu) in DM	mg/kg	26.1	+/-	1.8	Method book of BGK
Zinc (Zn) in DM	mg/kg	34	+/-	2.2	Method book of BGK
potential harmful substances					
Thalium (Tl) in DM	mg/kg	0.19	+/-	0.022	DIN EN ISO 17294-2 (E29)
Arsenic (As) in DM	mg/kg	2.4	+/-	0.25	EN ISO 11889
Lead (Pb) in DM	mg/kg	4.56	+/-	0.65	Method book of BGK
Cadmium (Cd) in DM	mg/kg	0.22	+/-	0.021	Method book of BGK
Chromium (Cr) in DM	mg/kg	7.48	+/-	0.65	Method book of BGK
Nickel (Ni) in DM	mg/kg	7.02	+/-	0.62	EN ISO 11889
Mercury (Hg) in DM	mg/kg	0.06	+/-	0.01	Method book of BGK
water soluble plant nutrients					
Magnesium water soluble (as MgO) in DM	mg/kg	180	+/-	25	EN ISO 11889
Sodium (Na) water soluble in DM	mg/kg	360	+/-	18	EN ISO 11890
Sulfur (S) water soluble in DM	mg/kg	440	+/-	55	EN ISO 11891
Boron (hot water soluble) in DM	mg/kg	24	+/-	1.8	EN ISO 11892
Calcium (Ca) water soluble in DM	mg/kg	630	+/-	85	EN ISO 11893
Cobalt (Co) water soluble in DM	mg/kg	0.08	+/-	0.01	EN ISO 11894
Copper (Cu) water soluble in DM	mg/kg	1.5	+/-	0.18	EN ISO 11895
Iron (Fe) water soluble in DM	mg/kg	100	+/-	24	EN ISO 11896
Manganese (Mn) water soluble in DM	mg/kg	1.4	+/-	0.22	EN ISO 11897
Molybdenum (Mo) water soluble in DM	mg/kg	0.9	+/-	0.08	EN ISO 11898
Zinc (Zn) water soluble in DM	mg/kg	1.9	+/-	0.22	EN ISO 11899
microbiological characteristics					
Heterotrophic Plate Count	CFU/gDM	10^8-10^{10}			TMECC
DRI-ASTM (Oxygen Consumption)	mg O_2/gOM/h	35	+/-	5.8	TMECC

Head of the laboratory



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