

Table S3: Analysis of variance Lightness change (Delta L)

Variate: Delta_L

Source of variation	d.f.	s.s.	m.s.	v.r.	F pr.
Block stratum	2	74.429	37.214	4.69	
Block.*Units* stratum					
convstrt	1	32.935	32.935	4.15	0.064
convstrt.NP	5	29.332	5.866	0.74	0.608
Residual	12	95.182	7.932		
Total	20	231.878			

Tables of means

Variate: Delta_L

Grand mean 13.65

convstrt	Control	Treated				
	16.71	13.14				
rep.	3	18				
convstrt	NP	TiO2_A100	TiO2_A40	TiO2_R100	TiO2_R50	ZnO_35-45
Treated		11.73	11.87	14.15	15.35	13.12
convstrt	NP	ZnO_80-200	CTL			
Control			16.71			
Treated		12.60				

Standard errors of means

Table	convstrt	convstrt	
		NP	
rep.	unequal	3	
d.f.	12	12	
e.s.e.	1.626	1.626	min.rep
	0.664		max.rep

Standard errors of differences of means

Table	convstrt	convstrt	
		NP	
rep.	unequal	3	
d.f.	12	12	
s.e.d.	1.756	2.300	

Least significant differences of means (5% level)

Table	convstrt	convstrt
		NP
rep.	unequal	3
d.f.	12	12
l.s.d.	3.827	5.010