

Newstone Newlite

Clinoptilolite

Definition: Natural Soil Additive, Natural Absorbent, Natural Water Retention

Composition: A thermally activated and processed raw material(porous mineral) composed of crystalline hydrated aluminum silicate of alkali metals.

Declared Chemical Parameters:

	Newstone Zeolite Newlite-J.IWL type	Newstone Zeolite Newlite T.INC type	Newstone Zeolite Newlite S.ZC type	Newstone Zeolite Newlite C.NGS type
Main ingredient	Clinoptilolite	Clinoptilolite	Clinoptilolite	Clinoptilolite
Color	Ivory White	Ivory White	Light Gray	Pale Green
Characteristics	High Water Retention, Blends well with soil, soft	High Water Retention, Blends well with soil,soft	Less Dust, slightly harder	Less Dust, Harder stone
Purity of Clinoptilolite	85%-90%	96%	84%	N/a
Chemical Parameters				
珪酸全量(SiO ₂)	65.99	65.72	67.29	69.21
酸化アルミニウム(Al ₂ O ₃)	12.86	10.88	12.51	12.55
酸化鉄(Fe ₂ O ₃)	1.82	1.19	1.42	1.47
苦土全量(MgO)	0.6	0.98	0.62	0.5
石灰全量(CaO)	2.3	2.55	2.94	2.23
曹達全量(Na ₂ O)	2.6	0.65	0.832	N/A
加里全量(K ₂ O)	1.64	2.98	3.3	N/A
リン酸全量(P ₂ O ₅)	0.05	0.035	0.05	N/A
酸化チタン(TiO ₂)	N/A	0.07	0.154	N/A
pH	8.0~9.0	7	N/A	6.78
塩基置換容量(CEC)	130~180meq/100g	120~160meq/100g	85 - 130meq/100g	120~160meq/100g
吸水率(Water Absorption)	45%	45%-50%	N/A	N/A
Inspected Lab	Japan Fertilizer&Feed Association(Japan)	ENTECO(Germany)	EL Spol.sro(Slovakia)	Japan Fertilizer&Feed Association(Japan)
CEC Test1	151	160	120	161
CEC Test2	174		149	

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