

Product: PolyCal+Mg & B

Technical Analysis:

Nitrogen(N) as nitrate	20%
Calcium(Ca)	14%
Magnesium(Mg)	4%
Boron(B)	0.24%
Seaweed Polysaccharide	0.2%
Alginic Acid	0.03%

All nutrients are represented in w/v.

Physical Characteristics: Liquid, PH 3-5, specific gravity 1.47

Seawin's products are manufactured under **ISO9001 Quality Management Systems** and **ISO14001 Environmental Management Systems**, and the chemical analysis are done by accredited Australian Laboratories. This product contains natural ingredients, hence the concentration of individual components may vary from batch to batch.

**REPORT ON SAMPLE OF LIQUID FERTILISER**

FILE NO : 1901140395

DATE ISSUED : 7/02/2019
DATE RE-ISSUED : 15/02/2019SEAWIN BIOTECH AUSTRALIA
D10 2A WESTALL RD
CLAYTON, VIC 3168CLIENT ID : TIA01
PHONE : 0430 178 427

REFERENCE :

REFERENCE ID :

SAMPLE ID : POLYCALCIN + MG + B

PHONE :

ANALYSIS REQUIRED : Full (FT-2) Cd, Pb, Hg

DATE RECEIVED : 31/01/2019

SOURCE :

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
Results of analysis as received:				
TOTAL NITROGEN as Nitrate	NO ₃ -N	% w/v	20.7	Dumas method, 7A5*
TOTAL PHOSPHORUS	P	% w/v	0.00213	Acid digestion, ICPAES
TOTAL POTASSIUM	K	% w/v	0.409	Acid digestion, ICPAES
TOTAL SULPHUR	S	% w/v	0.0128	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	% w/v	14.1	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	% w/v	4.07	Acid digestion, ICPAES
TOTAL SODIUM	Na	% w/v	0.0329	Acid digestion, ICPAES
TOTAL IRON	Fe	ppm w/v	14.1	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm w/v	3.38	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm w/v	10.4	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm w/v	1.11	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm w/v	<DL	DL= 0.0003 Acid digestion, ICPAES
TOTAL BORON	B	ppm w/v	2380	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm w/v	0.343	Acid digestion, ICPAES
pH			3.33	Direct reading
Electrical Conductivity		µS/cm	28900	Direct reading
TOTAL ORGANIC CARBON	OC	%	0.204	Method 6B2, LECO*
CARBON / NITROGEN RATIO	C/N		0.03	Calculation
TOTAL CADMIUM	Cd	ppm w/v	0.00231	Acid digestion, ICPAES
TOTAL MERCURY	Hg	ppm w/v	0.00366	Acid digestion, ICPAES
TOTAL LEAD	Pb	ppm w/v	0.015	Acid digestion, ICPAES
TOTAL ARSENIC	As	ppm w/v	0.0928	Acid digestion, ICPAES
TOTAL NICKEL	Ni	ppm w/v	0.243	Acid digestion, ICPAES
TOTAL CHROMIUM	Cr	ppm w/v	0.0353	Acid digestion, ICPAES

DL= Detection Limit

* Rayment, G.E. & Lyons, D.J. (2011). Soil Chemical Methods - Australasia. CSIRO Publishing, 150 Oxford Street, Collingwood Vic 3066, Australia