

## CERTIFICATE OF ANALYSIS

**CERTIFICATE NO.:** 577106RE-A  
**ISSUE DATE:** 8/08/2017

**REVISION NO.:** 00  
 This certificate supersedes any previous revisions

**CLIENT DETAILS:** Nick Tokovic  
 Sea Minerals Ocean Nutrients  
 308 Esky Rd  
 Pallara QLD 4110

**CLIENT REF:**  
**DATE RECEIVED:** 19/07/2017  
**TEST DATE:** Sample tested between date received and reported.

**CONDITIONS OF SAMPLE:** Receipt Temperature: Room Temperature  
 Storage Temperature: Ambient

### RESULTS OF ANALYSIS:

Sample Description	Method	Unit	577106RE-A-1 1. Pure Aussie/ ATM Sea Minerals Batch: PSPA 140617
Test	Code		
Sodium (Na)	IND041	mg/kg	11,000
Potassium (K)	IND041	mg/kg	13,800
Calcium (Ca)	IND041	mg/kg	44
Magnesium (Mg)	IND041	mg/kg	64,800
Sulphur (S)	IND041	mg/kg	11,500
Sulphur as SO4#	IND041	mg/kg	34,500
Lithium (Li)*	IND041	mg/kg	11
Boron (B)	IND041	mg/kg	326
Chloride	CF008.1	mg/kg	190,000
Iron (Fe)	IND041	mg/kg	6.2
Manganese (Mn)	IND041	mg/kg	1.5
Phosphorus (P)	IND041	mg/kg	6.4
Silicon (Acid Soluble)	IND041	mg/kg	21.6
Fluoride*	IND014	mg/kg	58
Silver (Ag)*	IND042	mg/kg	<0.1
Gold (Au)	IND042	mg/kg	<1.0
Germanium (Ge)	IND042	mg/kg	0.0024
Rhenium (Re)	IND042	mg/kg	<0.050
Ruthenium (Ru)	IND042	mg/kg	<0.05
Iodine	IND042	mg/kg	3.1
Aluminium (Al)*	IND042	mg/kg	<0.50
Arsenic (As)*	IND042	mg/kg	<0.5
Beryllium (Be)*	IND042	mg/kg	<0.10
Barium (Ba)*	IND042	mg/kg	0.66
Cadmium (Cd)*	IND042	mg/kg	<0.1
Cobalt (Co)*	IND042	mg/kg	<0.1
Chromium (Cr)*	IND042	mg/kg	<0.50
Copper (Cu)*	IND042	mg/kg	<0.5

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Test	Code		
Mercury (Hg)*	IND042	mg/kg	<0.10
Molybdenum (Mo)*	IND042	mg/kg	<0.1
Nickel (Ni)*	IND042	mg/kg	<0.10
Lead (Pb)*	IND042	mg/kg	<0.1
Scandium (Sc)*	IND042	mg/kg	<0.050
Selenium (Se)*	IND042	mg/kg	<0.5
Tin (Sn)*	IND042	mg/kg	<0.5
Zinc (Zn)*	IND042	mg/kg	<0.50
Titanium (Ti)*	IND042	mg/kg	<0.10
Vanadium (V)*	IND042	mg/kg	0.45
Gallium(Ga) ICP-MS*	IND042	mg/kg	<0.050
Rubidium (Rb)*	IND042	mg/kg	4.9
Strontium (Sr)*	IND042	mg/kg	0.14
Yttrium (Y)*	IND042	mg/kg	<0.050
Zirconium (Zr)*	IND042	mg/kg	<0.050
Niobium (Nb)*	IND042	mg/kg	<0.050
Rhodium (Rh)*	IND042	mg/kg	<0.050
Palladium (Pd)*	IND042	mg/kg	<0.050
Indium (In)*	IND042	mg/kg	<0.050
Antimony (Sb)*	IND042	mg/kg	<0.1
Tellurium (Te)*	IND042	mg/kg	<0.050
Caesium (Cs)*	IND042	mg/kg	<0.050
Lanthanum (La)*	IND042	mg/kg	<0.050
Cerium (Ce)*	IND042	mg/kg	<0.050
Praseodymium (Pr)*	IND042	mg/kg	<0.050
Neodymium (Nd)*	IND042	mg/kg	<0.050
Samarium (Sm)*	IND042	mg/kg	<0.050
Europium (Eu)*	IND042	mg/kg	<0.050
Gadolinium (Gd)*	IND042	mg/kg	0.00021
Terbium (Tb)*	IND042	mg/kg	<0.050
Dysprosium (Dy)*	IND042	mg/kg	<0.050
Holmium (Ho)*	IND042	mg/kg	<0.050
Erbium (Er)*	IND042	mg/kg	<0.050
Thulium (Tm)*	IND042	mg/kg	<0.050
Ytterbium (Yb)*	IND042	mg/kg	<0.050
Lutetium (Lu)*	IND042	mg/kg	<0.050
Hafnium (Hf)*	IND042	mg/kg	<0.10
Tantalum (Ta)*	IND042	mg/kg	<0.050
Tungsten (W)*	IND042	mg/kg	<0.050
Platinum (Pt)*	IND042	mg/kg	<0.050
Thallium (Tl)*	IND042	mg/kg	<0.050
Bismuth (Bi)*	IND042	mg/kg	<0.10
Thorium (Th)*	IND042	mg/kg	<0.050
Uranium (U)*	IND042	mg/kg	<0.050

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**DEFINITIONS:** < = Less than, > = Greater than, - = Not Tested, DWB = Dry Weight Basis.  
# Result derived from calculation.

Results were reported on an "as received" basis unless otherwise indicated.  
Sampling was conducted by the customer and results reported pertain only to the samples submitted.  
Responsibility for representative sampling rests with the customer.



Gemma Kuhn, Senior Laboratory Technician  
Chemistry (Brisbane)