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**FDA Registration #3006423386**

40 West Louise Ave., Salt Lake City, UT 84115  
 Phone: (801) 485-1800 Fax: (801) 484-9211  
 Email: utlab@advancedlabsinc.com


## Test Certificate

Sample Description: Aquamin Soluble	Client Name: Marigot Limited
Sample Lot Number: 308027	and Address: Strand Farm, Currabinny
Sample Part Code:	Carrigaline, Co. Cork
Location:	Ireland
PO No: PAID	
Received Date: 1/23/14 9:24	Lab No: 86514-01
Completed Date: 1/13/2014	
Lab Comments:	

Analysis	Result	Per Unit	Method
Aluminum	18.90	ppm	ICP-OES USP <730>
Antimony	<0.5	ppm	ICP-OES USP <730>
Arsenic	0.374	ppm	ICP-MS USP <730>
Barium	2.07	ppm	ICP-OES USP <730>
Beryllium	<0.5	ppm	ICP-OES USP <730>
Bismuth	0.82	ppm	ICP-OES USP <730>
Boron	19.01	ppm	ICP-OES USP <730>
Cadmium	0.192	ppm	ICP-MS USP <730>
Calcium	131,000	ppm	ICP-OES USP <730>
Carbon	248,000	ppm	LECO
Cerium	0.411	ppm	ICP-MS USP <730>
Cesium	0.001	ppm	ICP-MS USP <730>
†Chloride	1,531	ppm	USP <221> Titration
Chromium	<0.5	ppm	ICP-OES USP <730>
Cobalt	<0.5	ppm	ICP-OES USP <730>

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Results Approved By:  Dated: 1/13/2014  
 Shane Shupe-Technical Manager

Tests marked with † were done at Atlas Bioscience Labs, LLC, a joint venture with Advanced Laboratories. -  
 1775 S. Pantano Rd - Ste #110, Tucson, AZ 85710

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Copper	1.96	ppm	ICP-OES USP <730>
Dysprosium	0.072	ppm	ICP-MS USP <730>
Erbium	0.051	ppm	ICP-MS USP <730>
Europium	0.017	ppm	ICP-MS USP <730>
†Fluoride	7	ppm	AOAC 939.11
Gadolinium	0.068	ppm	ICP-MS USP <730>
Gallium	0.046	ppm	ICP-MS USP <730>
Germanium	<0.001	ppm	ICP-MS USP <730>
Gold	4.86	ppm	ICP-MS USP <730>
Hafnium	4.95	ppm	ICP-MS USP <730>
Holmium	0.016	ppm	ICP-MS USP <730>
Indium	<0.001	ppm	ICP-MS USP <730>
†Iodine	48	ppm	Titration
Iridium	<0.001	ppm	ICP-MS USP <730>
Iron	114	ppm	ICP-OES USP <730>
Lanthanum	<0.5	ppm	ICP-OES USP <730>
Lead	0.015	ppm	ICP-MS USP <730>
Lithium	<0.5	ppm	ICP-OES USP <730>
Lutetium	<0.001	ppm	ICP-MS USP <730>
Magnesium	10,370	ppm	ICP-OES USP <730>
Manganese	27.60	ppm	ICP-OES USP <730>
Mercury	<0.001	ppm	ICP-MS USP <730>
Molybdenum	<0.5	ppm	ICP-OES USP <730>
Neodymium	0.227	ppm	ICP-MS USP <730>
Nickel	<0.5	ppm	ICP-OES USP <730>
Niobium	1.97	ppm	ICP-MS USP <730>
Osmium	<0.001	ppm	ICP-MS USP <730>
Palladium	0.152	ppm	ICP-MS USP <730>
Phosphorus	229	ppm	ICP-OES USP <730>
Platinum	0.029	ppm	ICP-MS USP <730>

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Potassium	114	ppm	ICP-OES USP <730>
Praseodymium	0.051	ppm	ICP-MS USP <730>
Rhenium	<0.001	ppm	ICP-MS USP <730>
Rhodium	0.048	ppm	ICP-MS USP <730>
Rubidium	0.018	ppm	ICP-MS USP <730>
Ruthenium	0.139	ppm	ICP-MS USP <730>
Samarium	0.056	ppm	ICP-MS USP <730>
Scandium	36.83	ppm	ICP-MS USP <730>
Selenium	10.39	ppm	ICP-OES USP <730>
Silicon	3,751	ppm	ICP-OES USP <730>
Silver	<0.5	ppm	ICP-OES USP <730>
Sodium	1,659	ppm	ICP-OES USP <730>
Strontium	842	ppm	ICP-OES USP <730>
Sulfur	1,019	ppm	ICP-OES USP <730>
Tantalum	0.629	ppm	ICP-MS USP <730>
Tellurium	0.76	ppm	ICP-MS USP <730>
Terbium	<0.001	ppm	ICP-MS USP <730>
Thallium	<0.5	ppm	ICP-OES USP <730>
Thorium	<0.5	ppm	ICP-MS USP <730>
Thulium	0.008	ppm	ICP-MS USP <730>
Tin	<0.001	ppm	ICP-MS USP <730>
Titanium	9.75	ppm	ICP-OES USP <730>
Tungsten	<0.5	ppm	ICP-MS USP <730>
Vanadium	1.74	ppm	ICP-OES USP <730>
Ytterbium	0.051	ppm	ICP-MS USP <730>
Yttrium	<0.5	ppm	ICP-OES USP <730>
Zinc	28.96	ppm	ICP-OES USP <730>
Zirconium	7.94	ppm	ICP-MS USP <730>

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