



CERTIFICATE OF ANALYSIS MANUFACTURING INGREDIENTS and PRODUCT STABILITY

This is to certify that the product

ASO[®] or AO₂[®], or Activated Oxygen Super-Concentrated (SC)

Contains the following ingredients (by percentage of total volume):

Distilled Water (62.04%) CAS 7732-18-5

Molecules of ASO[®] Activated Stabilized Oxygen (35.0%)

Dissolved Trace Minerals and Sodium Chloride (2.96%) CAS 7647-14-5

Other Analytical Specifications:

Specific Gravity: 1.016 23°/23° C

Density: 1.016 g/cm³

pH: 8.46

Shelf Life/Stability: Three (3) Years from Manufacturing Date

Non-Toxicity:

ASO[®] was independently tested by SGS USA and found to have no oral nor dermal toxicity*. ASO[®] is completely non-toxic, biodegradable, non-caustic and non-flammable. ASO[®] contains natural ingredients including iodized sea salt and distilled water. It contains no microbiological contaminants, no pesticides, is naturally biocidal and contains no animal nor vegetable products or by-products.

<u>SPECIFICATION</u>	<u>RANGE</u>	<u>METHOD</u>	<u>RESULT</u>	<u>DETERMINATION</u>
Specific Gravity:	1.00 to 1.06	Hydrometer	1.016	Passed
Density:	1.00 to 1.06	Digital Meter	1.016	Passed
pH:	0 to 14	Digital Meter	8.46	Passed
Shelf Life:	N/A	Chamber	3 years	Passed

A BRIEF EXPLANATION OF THE ASO[®] MANUFACTURING PROCESS:

Materials:

USP Food Grade Sodium Chloride (CAS 7647-14-5)

Distilled water (CAS 7732-18-5)

Equipment:

HDPE Processing Tank

Rare Earth Proprietary Anodes & Cathodes

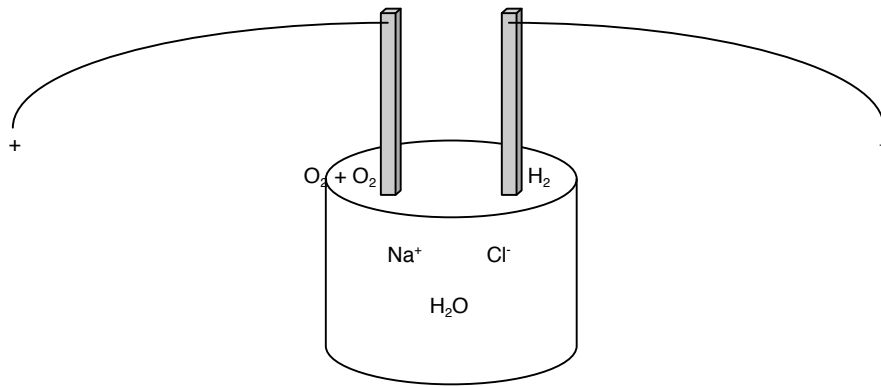
Mixer

Preparation/Process:

Triple distilled water is transferred to HDPE processing tank where the sodium chloride is introduced to the water. The distilled water is then agitated by the mixer until all the salt is dissolved into ionic form.

ASO[®] is manufactured in an F.D.A. approved GMP laboratory designated for the manufacturing of dietary supplements. The process involves the disassociation of oxygen molecules from water molecules in an electrolytic bath containing a mixture of water and sodium chloride. A regulated current

is then applied to two proprietary composite metal electrodes. The hydrogen gas is released and the oxygen molecules are stabilized in the electrolytic solution containing both the ASO[®] molecules and trace minerals from the sodium chloride.

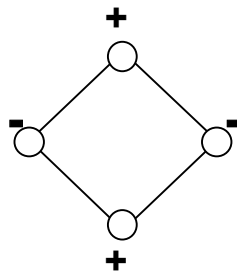


The ASO[®] is filtered on-line into an HDPE food grade plastic drum. Inspection and analysis is made for product conformance and quality. Once assured that product meets standards, the container is mechanically sealed and stored in a cool dry place.

GMO free:

NO GMO have been used in any phase of the manufacturing process. ASO[®] Activated Oxygen is a dietary supplement manufactured in the United States of America. To the best of our knowledge, ASO[®] is not derived from genetically modified starting raw materials, or additives that are derived from genetically modified organisms, and do not contain detectable levels of genetically modified materials, (known as PCR negative). It is our understanding that the EU labeling requirements are based on the presence of detectable levels of transgenic material. Based on this information, this product will not, on its own, require the labeling of these foodstuffs and food ingredients as indicated in (EC) No. 1829/2003 and (EC) No. 1830/2003, (which came into law on the 7th of November, 2003) on the authorization, labeling, and traceability of genetically modified organisms in food and feed. This product has not been treated with ionizing radiations (gamma rays).

The chemical structure formula for the ASO[®] molecule is:



Activated Oxygen (ASO[®]) is exclusively manufactured for and distributed by BIO2 International, Inc. in laboratories and manufacturing facilities that meet or exceed the United States Food and Drug Administration (F.D.A.) and United States Occupational and Safety Health Act (O.S.H.A.) standards. Further, BIO2 warrants that each sealed drum of ASO[®] has a three-year shelf life from manufacturing date. ASO[®] was tested using digital density/Specific Gravity Meters, Thermometers and Hydrometers to ASTM Specifications and in accordance to ASTM Testing Methods. *Copies of test reports are available upon written request. ASO[®] does not consist, contain or is produced from GMOs (genetically modified organisms).

MINERAL ANALYSIS

ASO® Super Concentrate (35% Strength)

<u>ELEMENT</u>		<u>CONCENTRATION</u> <u>(35% Strength)</u>	<u>AMT Per</u> <u>5 mL Serv.</u>	<u>ELEMENT</u>		<u>CONCENTRATION</u> <u>(35% Strength)</u>	<u>AMT Per</u> <u>5 mL Serv.</u>
Aluminum	mg/L	2.73	0.0098	Molybdenum	mg/L	<0.028	0.0001
Antimony	mg/L	<0.07	0.00025	Neodymium	mg/L	<0.014	0.00005
Arsenic	mg/L	<0.04	0.00015	Nickel	mg/L	<0.028	0.00010
Barium	mg/L	0.028	0.0001	Niobium	mg/L	0.04	0.00015
Beryllium	mg/L	0.0014	0.000005	Osmium	mg/L	<0.028	0.0001
Bismuth	mg/L	0.028	0.0001	Palladium	mg/L	<0.028	0.0001
Boron	mg/L	0.04	0.00015	Phosphorus	mg/L	36.4	0.13
Bromine	mg/L	<0.07	0.00025	Platinum	mg/L	<0.04	0.00015
Cadmium	mg/L	<0.007	0.000025	Potassium	mg/L	53.2	0.19
Calcium	mg/L	11.06	0.0395	Praseodymium	mg/L	<0.056	0.00020
Carbon	mg/L	518	1.85	Rhenium	mg/L	<0.014	0.00005
Cerium	mg/L	<0.056	0.0002	Rhodium	mg/L	<0.014	0.00005
Cesium	mg/L	<0.028	0.0001	Rubidium	mg/L	0.028	0.0001
Chloride	mg/L	53,424.0079	79.5	Ruthenium	mg/L	<0.028	0.0001
Chromium	mg/L	0.126	0.00045	Samarium	mg/L	<0.014	0.00005
Cobalt	mg/L	<0.04	0.00015	Scandium	mg/L	<0.04	0.00015
Copper	mg/L	0.0112	0.00004	Selenium	mg/L	<0.056	0.0002
Dysprosium	mg/L	<0.014	0.00005	Silicon	mg/L	13.58	0.0485
Erbium	mg/L	<0.04	0.00015	Silver	mg/L	<0.04	0.00015
Europium	mg/L	<0.04	0.00015	Sodium	mg/L	8,960.00	32.0
Fluoride	mg/L	0.112	0.0004	Strontium	mg/L	0.266	0.00095
Gadolinium	mg/L	<0.028	0.0001	Sulfur	mg/L	19.46	0.0695
Gallium	mg/L	<0.04	0.00015	Tantalum	mg/L	0.028	0.0001
Germanium	mg/L	0.04	0.00015	Tellurium	mg/L	<0.028	0.0001
Gold	mg/L	<0.028	0.0001	Terbium	mg/L	0.028	0.0001
Hafnium	mg/L	<0.014	0.00005	Thallium	mg/L	0.056	0.0002
Holmium	mg/L	<0.014	0.00005	Thorium	mg/L	<0.028	0.0001
Indium	mg/L	<0.04	0.00015	Thulium	mg/L	<0.014	0.00005
Iodine	mg/L	0.154	0.00055	Tin	mg/L	0.028	0.0001
Iridium	mg/L	<0.028	0.0001	Titanium	mg/L	<0.007	0.000025
Iron	mg/L	0.126	0.00045	Tungsten	mg/L	<0.112	0.0004
Lanthanum	mg/L	<0.028	0.0001	Vanadium	mg/L	0.014	0.00005
Lead	mg/L	<0.028	0.0001	Ytterbium	mg/L	<0.0042	0.000015
Lithium	mg/L	0.15	0.00075	Yttrium	mg/L	0.004	0.00002
Lutetium	mg/L	<0.042	0.00015	Zinc	mg/L	0.49	0.00175
Magnesium	mg/L	39.2	0.140	Zirconium	mg/L	<u>0.056</u>	<u>0.0002</u>
Manganese	mg/L	<0.03	0.00003	TOTAL		31,915.55	31.91693
Mercury	mg/L	<0.001	0.000001	MINERALS			
				IN MG			

ASO® falls under and meets all of the U.S.A. D.S.H.E.A. (Dietary and Supplement Health Education Act) regulations enacted in 1997 for dietary supplements. ASO® and its supporting literature is not intended to diagnose, treat, cure or prevent any diseases or physiological conditions. Individuals taking medications or under the care of physicians should always let their health care providers know that they are taking dietary supplements and should consult those providers before taking any dietary supplements.

ASO® is sold under the following trade names:

ASO® Activated Oxygen
AO₂[™] Activated Stabilized Oxygen
O4+[™] Stabilized Oxygen
H₂O BOO₂ST®
OxyBOO₂ST[™]
O₂Oxygen[™]
Oxygen+®

Executed this 15th day of April 2005



Stephen R. Krauss, Ph.D.
President
BIO2 International, Inc.
San Luis Obispo, CA U.S.A.