# CERTIFICATE OF ANALYSIS BASELINE<sup>®</sup> Water

1A	۱.

#### PRODUCT NUMBER: S020901

### LOT NUMBER: 9212060

3 Li < 1 11 Na	2A <b>4 Be</b> < 1 <b>12 Mg</b>	average evaporate Nitric Acid	of three al ed to dryne d / 2% Hyd	iquots subs ess. The res rogen Perox	by high res ampled fror ulting residu kide. Operati by *), the sai	n three san le is reconst ons are cor	nples repres ituted in a s ducted und	sentative of mall volume er Class 100	the lot. The of SEAST/ or better cl	e samples a AR <sup>™</sup> BASEI ean-room c	are slowly _INE <sup>®</sup> 2% conditions.	3A 5 B < 20 13 AI	4A	5A	6A	7A	
< 5	< 2				f the blank an 6B					1B	2B	< 2					
<b>19 К</b> < 5	<b>20 Ca</b> < 10	21 Sc < 1	22 Ti < 2	23 V < 1	24 Cr < 2	25 Mn < 1	<b>26 Fe</b> < 5	27 Co < 1	28 Ni < 2	<b>29 Cu</b> < 2	<b>30 Zn</b> < 5	31 Ga < 1	32 Ge < 1	<b>33 As</b> * < 2	<b>34 Se*</b> < 10		
37 Rb < 1	38 Sr < 1	<b>39 Y</b> < 1	<b>40 Z</b> r < 1	<b>41 N</b> k < 1	<b>42 Mo</b> < 1		<b>44 Ru</b> < 1	45 Rh < 1	<b>46 Pd</b> < 5	<b>47 Ag</b> < 5	48 Cd < 1	49 In < 1	50 Sn < 1	51 Sb < 1	52 Te < 1		
<b>55 Cs</b> < 0.1	56 Ba < 1	<b>57 La</b> < 0.1	<b>72 Hf</b> < 0.1	<b>73 T</b> a < 5	74 W < 2	75 Re < 1			78 Pt < 1	<b>79 Au</b> < 10	80 Hg* < 10	81 TI < 0.1	82 Pb < 1	<b>83 Bi</b> < 0.1			

## ALL VALUES ARE REPORTED IN PARTS PER TRILLION (PPT)

	58 Ce	59 Pr	60 Nd		62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu
<u>KEY</u> (1) Atomic Number	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
(1) (2) (2) Elemental Symbol						1.000								
(3) (3) Concentration (mean	90 Th		92 U											
(4) in ppt)	< 0.1		< 0.1											
(4) 1 Standard Deviation	0.1		0.1	1 C A 4 A										
(N=3)														

Additional	Maximum	Actual
Tests	Specification	Value
Colour (APHA)	10 APHA	< 10
Chloride (Cl-)	1 ppb	< 1
Phosphate (PO <sub>4</sub> <sup>3-</sup> )	1 ppb	< 1
Sulphate (SO <sub>4</sub> <sup>2-</sup> )	1 ppb	< 1

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Dr. B. McKelvey QA/QC Manager



**MO SEASTAR CHEMICALS INC** 

June 12, 2012

June 12, 2015

**Release Date:** 

Expiry Date:



# **Product Integrity:**

Based on extensive testing results, SEASTAR CHEMICALS INC have found our products, unopened and sealed, maintain the certified integrity, or product quality, for a minimum of three years under the following conditions:

- Stored at room temperature, maximum range 15°C (59°F) to 25°C (77°F).
- Minimum exposure to light.
- For limited time, storage/transport temperature range 5°C (41°F) to 35°C (95°F)

Upon opening the product, the product's integrity will depend on proper handling and exposure to contaminants. The product has been bottled under CLASS 100 clean room conditions, to maintain the certified quality it should be used under these conditions. Furthermore to reduce trace metal contamination, the inner pack of plastic bags and bottle should be opened under CLASS 100 particle conditions to maintain the integrity of the product. The use of plastic gloves, hair net and a clean room suit is also advised.

## Safety:

PRIOR to opening or storing this product be sure to consult the Material Safety Data Sheet (MSDS) Section 7 Handling and Storage to ensure safe storage and handling with regards to this hazardous material. This information must be understood prior to its use or storage.

SAFETY HANDLING NOTES: Consult your MSDS, PRIOR to handling these materials. Use proper safety apparel according to the recommendations of the MSDS. Exposure controls and personal protection should include: a properly functioning fume hood, protection for eyes (safety glasses), hands (chemically compatible gloves), feet (chemically compatible boots) and exposed skin (splash protection and a chemically compatible apron). All of these items must conform to local/regional/national regulatory requirements.

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Dr. B. McKelvey QA/QC Manager

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