CERTIFICATE OF ANALYSIS BASELINE[®] Water

PRODUCT NUMBER: S020901

LOT NUMBER: 9215080

3 Li < 0.01 11 Na < 5	2A 4 Be < 0.01 12 Mg < 0.5	average evaporate Nitric Acio For volati	of three ali ed to dryne d / 2% Hydr ile elements	determined quots subsa ss. The resu ogen Peroxi s (indicated b deviation of 5B	ampled from Ilting residu de. Operati by *), the sar	n three sam e is reconst ons are con mples are di	nples repres ituted in a s ducted und luted then d	sentative of mall volume er Class 100 irectly inject	the lot. The of SEASTA or better cl ed into the l	e samples a \R [™] BASEI ean <mark>-r</mark> oom c	are slowly _INE [®] 2% conditions.	3A 5 B < 20 13 AI < 2	4A	5A	6A	7A	
19 К < 1	20 C a < 10	00		23 V			26 Fe < 0.5	27 Co < 0.02		29 Cu < 0.05		<mark>31 Ga</mark> < 0.01	<mark>32 Ge</mark> ≤ 0.1	33 As * < 0.1	34 Se* < 0.1		
37 Rb < 0.01	38 Sr < 0.01	39 Y < 0.01	< 0.01	41 Nb < 0.01	< 0.1		44 Ru < 0.01	45 Rh < 0.01	< 0.01	< 0.01	48 Cd < 1	< 0.01	< 0.05	< 0.01	52 Te < 0.01		
55 Cs < 0.01	56 Ba < 0.05	57 La < 0.02	72 Hf < 0.01	73 Ta < 0.01	74 W < 0.01	75 Re < 0.01			78 Pt < 0.01	79 Au < 0.1	80 Hg* < 10	81 TI < 0.01	82 Pb < 0.01	83 Bi < 0.01			

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	< 0.02	< 0.01	< 0.01		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
(1) (2) (2) Elemental Symbol						1.000								
(3) (3) Concentration (mean	90 Th		92 U											
(4) in ppt)	< 0.01		< 0.01											
(4) 1 Standard Deviation														
(N=3)				_										

Additional	Maximum	Actual
Tests S	pecification	Value
Colour (APHA)	10 APHA	< 10
Chloride (Cl-)	1 ppb	< 1
Phosphate (PO ₄ ³⁻)	1 ppb	< 1
Sulphate (SO ₄ ²⁻)	1 ppb	< 1

Brey Herren

Greg Henson QA & RA Manager



MO SEASTAR CHEMICALS INC

August 21, 2015

August 21, 2018

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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Greg Henson QA & RA Manager

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