CERTIFICATE OF ANALYSIS BASELINE[®] Nitric Acid

		PRODU		MBER: S	502010 [,]	199	LOT NUMBER: 1217030					SSAY (HNO ₃ , w/w): 69%						
3 Li < 0.01 11 Na < 0.3	Na 12 Mg Na 12 Mg														7A			
		3B 21 Sc < 0.01	4B 22 Ti < 0.2	5B 23 V < 0.01	6B 24 Cr < 0.5	7B 25 Mn < 0.5	26 Fe < 5	8 27 Co < 0.01	<mark>28 Ni</mark> < 15	1B 29 Cu < 0.5	2B 30 Zn < 0.6	31 Ga < 0.01	32 Ge < 0.02	33 As < 1	34 Se < 10			
37 Rb < 0.01	38 Sr < 0.01	39 Y < 0.01	40 Zr < 0.05	41 Nb < 0.01	42 M α < 0.1		44 Ru < 0.05	45 Rh < 0.01	46 Pd < 0.01	47 Ag < 0.02	48 Cd < 0.01	<mark>49 In</mark> < 0.01	50 S n < 0.2	51 Sb < 0.01	52 Te < 0.01			
55 Cs < 0.01	56 Ba < 0.1	57 La < 0.01	72 Hf < 0.01	73 Ta < 0.01	74 W < 0.05	75 Re < 0.01			78 Pt < 1	79 Au < 1	80 Hg < 20	81 TI < 0.01	82 Pb < 0.05	83 Bi < 0.01				

ALL VALUES ARE REPORTED IN PARTS PER TRILLION (PPT)

KEY	(1) Atomic Number	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
	(2) Elemental Symbol	< 0.01	< 0.01	< 0.01	1.00	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	(3) Concentration (mean														
	in ppt) (4) 1 Standard Deviation	90 Th		92 U					1.1						
	(4) I Standard Deviation (N=3)	< 0.01		< 0.01			-		5						
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HNO₃ (67 - 70%): Properties Molar Mass: 63.01g/mol Density: 1.41 g/ml Molarity: 16 moles/litre Normality: 16 moles/litre

BASELINE

Bregternen

Greg Henson QA & RA Manager Release Date: Expiry Date: March 24, 2017 March 24, 2020



SEASTAR[™]'s Product Integrity Guidelines:

We have found our products, unopened and sealed, maintain the certified integrity, or product quality, for their stated certification period under the following conditions:

- Store at room temperature, maximum range 15°C (59°F) to 25°C (77°F).
- Avoid exposure to sunlight or ultraviolet light sources.
- Open in a 'particle free' environment. SEASTAR recommends a HEPA or ULPA particle filtered trace metal clean room. Open product should be handled under Class 100 or ISO 5 clean room or better conditions.

Once opened, product integrity will depend on proper handling and exposure to contaminants. To reduce trace metal contamination, the inner pack of plastic bags and bottle should be opened under Class 100 or ISO 5 clean room or better conditions to maintain the integrity of the product. The use of plastic gloves, hair net and a clean room suit is also advised.

Safety Guidelines:

PRIOR to opening or storing this product be sure to consult the Safety Data Sheet (SDS) to ensure safe storage and handling with regards to this hazardous material. This information must be read and understood prior to use or storage.

SAFETY HANDLING NOTES: Consult the SDS PRIOR to handling this product. Use proper safety apparel according to the recommendations of the SDS. 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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