CERTIFICATE OF ANALYSIS BASELINE[®] Nitric Acid

IA	PRODUCT NUMBER: S020101						LOT NUMBER: 1216101					ASSAY (HNO ₃ , w/w): 70%							
3 Li < 0.2 11 Na < 1	2A 4 Be < 0.02 12 Mg < 0.5	average evaporat Nitric Aci For volat	of three ali ed to dryne d / 2% Hydr ile elements	quots subsa ss. The resu ogen Perox s (indicated	ampled from ulting residu ide. Operati by *), the ac	n three sam e is reconst ons are con id samples	ples repres ituted in a si ducted unde are diluted t	entative of mall volume er Class 100 hen directly	concentratio the lot. The of SEAST/ 0 or better cl injected int lue is subtra	e samples a AR [™] BASEL ean-room c o the ICP-M	are slowly INE [®] 2% onditions.	3A 5 B < 10 13 AI < 2	4A	5A	6A	7A			
		3B	4B	5B	6B	7B		8	_	1B	2B						<u> </u>		
19 К <1	20 C a < 10	21 Sc < 0.01		23 V < 0.01		25 Mn < 0.05	26 Fe < 5	27 Co < 0.2	28 Ni < 5	29 Cu < 1	30 Zn < 5	31 Ga < 0.01	32 Ge < 0.05	33 As < 1	34 Se < 1				
37 Rb < 0.01	38 Sr < 0.02	39 Y < 0.01	40 Zr < 0.02	41 № < 0.01	42 M o < 1		44 Ru < 0.02	45 Rh < 0.01	46 Pd < 0.01	47 Ag < 0.02		<mark>49 In</mark> < 0.01	50 Sn < 0.5	51 Sb < 0.02	52 Te < 0.01				
55 Cs < 0.01	56 B a < 0.2	57 La < 0.01	72 Hf < 0.01	73 Ta < 0.01	74 W < 0.5	75 Re < 0.01			78 Pt < 0.2	7 <mark>9 Au</mark> < 1	80 Hg < 20	<mark>81 TI</mark> < 0.01	82 Pb < 0.05	83 Bi < 0.01					

ALL VALUES ARE REPORTED IN PARTS PER TRILLION (PPT)

KEY (1) Atomic Number (1) (2) (2) Elemental Symbol (3) (3) Concentration (mean	< 0.01	59 Pr < 0.01	60 Nd < 0.01	٦.	62 Sm < 0.01	63 Eu < 0.01	64 G d < 0.02	65 Tb < 0.01	66 Dy < 0.01	<mark>67 Но</mark> < 0.01	69 Tm < 0.01	70 Yb < 0.01	71 Lu < 0.01
(4) in ppt)	00 Th		92 U < 0.01	1									

HNO₃ (67 - 70%): Properties Molar Mass: 63.01g/mol Density: 1.41 g/ml Molarity: 16 moles/litre Normality: 16 moles/litre

BASELINE

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Breytena

Greg Henson QA & RA Manager



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.

Bregterin

Greg Henson QA & RA Manager

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