CERTIFICATE OF ANALYSIS BASELINE[®] Nitric Acid

1A	PRODUCT	NUMBER: BA4	1 LOT NU	MBER: 120412	20 AS	SAY (HNO ₃ , w	//w): 70%	
2A 3 Li 4 Be <1 <5 11 Na 12 Mg <5 <5	average of three ali evaporated to dryne Nitric Acid. Operation elements (indicated	iquots subsampled from ss, the resulting residue ons are conducted und by *), the acid sample	m three samples represe is reconstituted in a sm der Class 100 particle of	sample preconcentration sentative of the lot. The all volume of 2% SEAST, or better clean-room cor tly injected into the ICP- k value is subtracted.	samples are slowly AR [™] BASELINE [®] nditions. For volatile	3A 4A 5 B <10 13 AI <10	5A 6A	7A
	3B 4B	5B 6B	7B	8	1B 2B			
19 К 20 Са <5 <10	21 Sc 22 Ti <1 <10	23 V 24 Ci <1 <10	25 Mn 26 Fe <2 <10	27 Co 28 Ni : <1 <10	29 Cu 30 Zn <3 <5	31 Ga 32 G <1 <1	e 33 As 34 Se <10 <20	
37 Rb 38 Sr <1 <1	39 Y 40 Zr <1 <1	41 Nb 42 M d <1 <1	44 Ru <10	45 Rh 46 Pd 4 <1 <10	47 Ag 48 Cd <2 <1	49 In 50 Si <1 <10	n <mark>51 Sb 52 Te</mark> <10 <1	
55 Cs 56 Ba <0.05	57 La 72 Hf <0.05 <0.05	73 Ta 74 W <10 <5	75 Re <1	78 Pt	79 Au 80 Hg <10 <100	81 TI 82 PI	b 83 Bi <0.1	

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	<0.05	<0.05	<0.05		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
(3)	(3) Concentration (mean				1.5										
(4)	(4) 1 Standard Deviation	90 Th	÷ .	92 U					-						
	(N=3)	<0.05		<0.01			-		E						
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Release Date:	January 5, 2005
Expiry Date:	January 5, 2008



B M^c Kelvey Dr. B. McKelvey QA/QC 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.

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.

A further note 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.

Appropriate safety precautions must be taken as well as wearing the required safety apparel. A properly functioning fumehood, protection for eyes, hands, feet and exposed skin must also be worn. All of these items must conform to local/regional/national regulatory requirements.

Dr. B. McKelvey QA/QC Manager

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