CERTIFICATE OF ANALYSIS BASELINE[®] Hydrochloric Acid

1A		PRO		UMBE	R: BA-(04 L	OT NU	MBER:	4204	060		ASSAY	(HCI, w	/w): 33	8%		
3 Li <1 11 Na <10	2A 4 Be <5 12 Mg <5	average evaporat Nitric Aci elements	of three alie ed to drynes id. Operatic (indicated	etermined b quots subsa ss, the resul ons are con by *), the a eviation of th	ampled from ting residue ducted und cid samples	n three sam is reconstitu er Class 10 s are diluted	are slowly GELINE[®] or volatile	3A 5 B <20 13 AI <20	4A	5A	6A	7A					
	~5	3B	4B	5B	6B	7B		8		1B	2B	E.					
19 К <10	20 C a <20	21 Sc <1	22 Ті <10	23 V <1	24 Cr <10	25 Mn <2	26 Fe <20	27 Co <3	28 Ni <10	29 Cu <5	30 Zn <5	31 Ga <1	32 Ge	33 As <20	34 Se <50		
37 Rb <1	38 Sr <1	39 Y <0.1	40 Zr <1	41 Nb <1	42 Mo <10		44 Ru <10	45 Rh <1	46 Pd <10	47 Ag <5	<mark>48 Cd</mark> <0.1	49 In <0.1	<mark>50 Sn</mark> <20	51 Sb <20	52 Te <1		
55 Cs <0.05	56 Ba <1	57 La <0.05	72 Hf <0.05	73 Та <20	74 W <10	75 Re <0.1			78 Pt <1	79 Au <10	80 Hg* <100	81 TI <0.1	82 Pb <1	83 Bi <0.05			

ALL VALUES ARE REPORTED IN PARTS PER TRILLION (PPT)

KEY		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
(3) (3) (3) (3)	(2) Elemental Symbol(3) Concentration (mean	<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
	in ppt)	90 Th		92 U			-				-			
	(4) 1 Standard Deviation (N=3)	<0.05		<0.01										

B M^c Kelvey Dr. B. McKelvey QA/QC Manager Release Date: Expiry Date: October 5, 2004 October 5, 2007



IN SEASTAR CHEMICALS INC



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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