CERTIFICATE OF ANALYSIS

BASELINE® Sulfuric Acid

LOT NUMBER: 3205070 **PRODUCT NUMBER: BA-03** ASSAY (H₂SO₄, w/w): 96% 1A Most elements are determined by magnetic sector ICP-MS using sample preconcentration. The results are an 2A 3A 5A 7A average of three aliquots subsampled from three samples representative of the lot. The samples are slowly Li Be evaporated to dryness, the resulting residue is reconstituted in a small volume of 2% SEASTAR™ **BASELINE®** <10 <5 Nitric Acid. Operations are conducted under Class 100 particle or better clean-room conditions. For volatile elements (indicated by *), the acid samples are diluted then directly injected into the ICP-MS. Values below 3 Na 12 Mg 13 ΑI times the standard deviation of the blank are shown with "<", no blank value is subtracted. <50 <10 <30 3B 4B Ni 29 Sc 22 Ti 23 24 Cr 25 Cu 30 Zn Ca 21 ٧ Mn 26 Fe 27 Co 28 31 Ga 32 Ge 33 As* <50 < 50 <5 < 50 <5 <10 <1 <20 <5 < 20 <1 <100 < 500 <1 < 50 < 500 Sr Zr 41 Nb 42 Pd 47 Ag 48 Cd 49 In 50 Sn 51 Sb Rb 38 39 40 Мо Rh 46 52 Te <1 <1 <1 <5 <1 <10 <1 <10 <5 <1 <1 < 50 <10 <10 Cs 56 Ba 57 La 72 Hf 73 Ta 74 W 78 Pt 80 Ha* 81 TI 82 Pb 83 Bi <1 <10 <1 < 0.1 <20 <5 <10 <100 <1 <5 <1

ALL VALUES ARE REPORTED IN PARTS PER TRILLION (PPT)

(1) (2) (3)

(4)

(1) Atomic Number

(2) Elemental Symbol (3) Concentration (mean

in ppt)

(4) 1 Standard Deviation (N=3)

	58	Се	59 Pr	60 Nd	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu
	<0.	1	<0.1	<0.1	<0.1	< 0.1	<0.1	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1	<0.1
n														
Ħ	90	Th		92 U										
ı	<0.	1		<0.1										

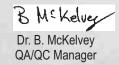
Release Date:

August 9, 2005

Expiry Date:

August 9, 2008







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.

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