BASELINE® Sulfuric Acid

PRODUCT NUMBER: S020301 1A

LOT NUMBER: 3211070

ASSAY (H₂SO₄, w/w): 96%

7	2A								concentratio			3A	4A	5A	6A	7A	
3 Li < 10	4 Be < 5	evaporat	ed to dryne	ss. The resu	ulting residu	e is reconst	tituted in a s	mall volume	the lot. The of SEASTA	R [™] BASEL	INE® 2%						
11 Na	a 12 Mg	For volat	ile element	s (indicated	by *), the ac	id samples	are diluted	then directly	0 or better cl / injected int	the ICP-N		13 AI					
< 50	< 10	below3t 3B	imes the sta 4B	andard devia 5B	ation of the b 6B	ank are sho 7B	own with '<',	no blank va	lue is subtra	cted. 1B	2B	< 20					
19 K	20 Ca		22 Ti		24 Cr		26 Fe	27 Co	28 Ni		30 Zn	31 Ga	32 Ge	33 As*	34 Se*		
< 50	< 40	< 5	< 50	< 5	< 10	< 1	< 20	< 1	< 20	< 5	<10	< 1	< 100	< 500	< 500		
37 Rk	38 Sr	39 Y	40 Zr	41 Nb	42 Mo			45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te		
< 1	< 1	< 1	< 5	< 1	< 10	1		< 1	< 10	< 5	< 1	< 1	< 50	< 10	< 10		
55 Cs	56 Ba	57 La	72 Hf		74 W			_	78 Pt		80 Hg*	81 TI		83 Bi			
< 1	< 10	< 1	< 0.1	< 20	< 5				< 10		< 50	< 1	< 5	< 1			

ALL VALUES ARE REPORTED IN PARTS PER TRILLION (PPT)

KEY (3)

(4)

(1) Atomic Number

(2) Elemental Symbol

(3) Concentration (mean in ppt)

(4) 1 Standard Deviation (N=3)

	58 C	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
	< 0.5	;	< 0.1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
n														
	90 1	Γh		92 U										
า	< 0.1			< 0.1										

H₂SO₄ (93 - 98%): Properties

Density: 1.84 g/ml Molarity: 18 moles/litre Normality: 36 moles/litre

Molar Mass: 98.07g/mol

Dr. B. McKelvey QA/QC Manager





November 18, 2011

November 18, 2014

Release Date:

Expiry Date:

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.

Dr. B. McKelvey QA/QC Manager

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