

C E R T I F I C A T E O F A N A L Y S I S

BASELINE Acetic Acid

1A		PRODUCT NUMBER: 06										LOT NUMBER : 6200080										ASSAY : 99.7%															
		Most elements are determined by ICP-MS using sample preconcentration. The results are the average of three aliquots subsampled from three 500mL samples representative of the lot. The samples are slowly evaporated to dryness, and the residue reconstituted in a small volume of 2% Seastar <i>BASELINE</i> Nitric Acid. Operations are conducted under Class 100 or better clean-room conditions. Elements that suffer from isobaric interference(s) are analyzed by GFAAS (indicated by a +). For volatile elements (indicated by *), the acid samples are diluted then directly injected into the ICP-MS. For all of the analyses, values below 3 times the standard deviation of the blank are given as <, and no blank value is subtracted. 3B4B5B6B7B81B2B										2A		3A		4A		5A		6A		7A															
3	Li											4	Be																								
< 1												< 5																									
11	Na											12	Mg																								
< 10												< 5																									
13	Al																																				
< 20																																					
19	+K	20	+Ca	21	Sc	22	Ti	23	V	24	Cr	25	Mn	26	+Fe	27	Co	28	Ni	29	Cu	30	Zn	31	Ga	32	Ge	33	As	34	Se						
< 20		< 50		< 1		< 20		< 1		< 10		< 1		< 20		< 1		< 20		< 5		< 5		< 1		< 1		< 20		< 50							
37	Rb	38	Sr	39	Y	40	Zr			42	Mo			44	Ru	45	Rh			47	Ag	48	Cd	49	In	50	Sn	51	Sb	52	Te						
< 1		< 1		< 1		< 10				< 10				< 20		< 20				< 50		< 1		< 1		< 50		< 50		< 10							
55	Cs	56	Ba	57	La	72	Hf			74	W	75	Re					78	Pt					81	Tl	82	Pb	83	Bi								
< 0.1		< 1		< 0.1		< 10				< 20		< 0.1						< 50						< 0.1		< 1		< 1									
ALL VALUES ARE REPORTED IN PARTS PER TRILLION (PPT)																																					

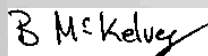
ALL VALUES ARE REPORTED IN PARTS PER TRILLION (PPT)

KEY

(1) (2)	(1) Atomic Number
(3)	(2) Elemental Symbol
(4)	(3) Concentration (mean in ppt)
	(4) 1 Standard Deviation n=3)

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
< 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	
90	Th			92	U																					
< 0.1				< 0.1																						




 Dr. B. McKelvey
 QA/QC Manager

 SEASTAR CHEMICALS INC