

## QC Data Worksheet for High Precision COD Tube Product.

Production: MWG

Lot #'s		Source	QC Measurements	Reference or Requirement	Results
Digestion Reagent	110808A	CAI	DI Water Conductivity	<1 µmhos/cm	0.5
Potassium Dichromate	IC-0835	ACME	Balance Ref Weigh	200G	200.00
Silver Sulfate	21217	Cascade	Culture Tubes	<0.5%T	0.02
Mercuric Sulfate	M1185	Spectrun	Pipet #1	1	1.00
Sulfuric Acid	190428	Corco	Pipet #2	4.5	4.50
Glass Culture Tubes	90K16100F	KIM			
Closures	103349	INT			
1500ppm QC Standard	P3792	Sigma			

Std Conc(x)	Measured		Transmittance					
	Conc	Abs(Y)						
0	3.44	0.4559	35	slope = -0.0030 m				
3.7	147.97	0.4437	36	intercept = 0.4545 b				
7.5	134.36	0.4318	37	corr coef = -1.0000				
18.7	117.53	0.3979	40					
35.3	98.45	0.3468	45	%R	STD	Conc	%T	Abs
50.2	76.43	0.3010	50	87%	5	4.34867	36.2	0.4413
76.2	50.38	0.2218	60	101%	50	50.4921	50	0.301
87.7	18.5	0.1871	65	102%	75	76.5412	60	0.2218
98.4	137.5	0.1549	70	99%	100	98.5654	70	0.1549
108.2	121.06	0.1249	75	102%	150	152.355	102	-0.0086
117.6	142.08	0.0969	80					
121.1	126.19	0.0862	82	98%				
126.2	108.31	0.0706	85					
134.5	87.86	0.0458	90	DL Data(From 15 ppm STD)				
137.7	35.32	0.0362	92	%T	ABS	Conc		
142.5	0	0.0223	95	38.2	0.417937	12.032		
148.6	7.36	0.0044	99	38	0.420216	11.282		
				38.2	0.417937	12.032		
				38.2	0.417937	12.032		
				38.4	0.415669	12.778		
				38.2	0.417937	12.032		
				38.4	0.41567	12.778		
				0.138013112	STDEV	0.5159		
				MDL	1.5478			