

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following "Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers "P" for ICP instrument "PM" for ICP when Microwave Digestion is used "CV" for Manual Cold Vapor AA "AV" for automated Cold Vapor AA "CA" for MIDI-Distillation Spectrophotometric "AS" for Semi – Automated Spectrophotometric "C" for Manual Spectrophotometric "T" for Titrimetric "NR" for analyte not required to be analyzed Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
Н	Sample Analysis Out Of Hold Time



LAB CHRONICLE

OrderID: Q1836

Client: Vartan Manufacturing Corp.

Contact: Herman Demirciyan

OrderDate: 4/18/2025 10:20:00 AM

Project: NYCDEP Permit No. 25-P3067-1

Location: L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1836-05	CYANIDE-1	WATER			04/25/25 12:00			04/25/25
			Cyanide	SM4500-CN C,E		04/28/25	04/28/25 12:33	
Q1836-06	CYANIDE-2	WATER			04/25/25 12:02			04/25/25
			Cyanide	SM4500-CN C,E		04/28/25	04/28/25 12:38	
Q1836-07	CYANIDE-3	WATER			04/25/25 12:04			04/25/25
			Cyanide	SM4500-CN C,E		04/28/25	04/28/25 12:38	
Q1836-08	CYANIDE-4	WATER			04/25/25 12:06			04/25/25
			Cyanide	SM4500-CN C,E		04/28/25	04/28/25 12:58	



SAMPLE DATA



Lab Sample ID:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone: 908 789 8900,

Matrix:

WATER

Fax: 908 789 8922

Q1836-05

Report of Analysis

Client: Vartan Manufacturing Corp. Date Collected: 04/25/25 12:00

Project: NYCDEP Permit No. 25-P3067-1 Date Received: 04/25/25

Client Sample ID: CYANIDE-1 SDG No.: Q1836

% Solid: 0

Units Parameter DF MDL LOQ / CRQL **Prep Date** Date Ana. Ana Met. Conc. Qua. Cyanide 0.0016 04/28/25 12:33 SM 4500-CN 0.0012 0.0050 mg/L 04/28/25 08:00 C-16 plus E-16

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range



284 Sheffield Street, Mountainside, New Jersey 07092, Phone: 908 789 8900,

Fax: 908 789 8922

Report of Analysis

Client:Vartan Manufacturing Corp.Date Collected:04/25/25 12:02Project:NYCDEP Permit No. 25-P3067-1Date Received:04/25/25Client Sample ID:CYANIDE-2SDG No.:Q1836

Lab Sample ID: Q1836-06 Matrix: WATER % Solid: 0

Units Parameter DF MDL LOQ / CRQL **Prep Date** Date Ana. Ana Met. Conc. Qua. Cyanide 0.0012 04/28/25 12:38 SM 4500-CN 0.0012 0.0050 mg/L 04/28/25 08:00 C-16 plus E-16

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range



284 Sheffield Street, Mountainside, New Jersey 07092, Phone: 908 789 8900,

Fax: 908 789 8922

Report of Analysis

Client: Vartan Manufacturing Corp. Date Collected: 04/25/25 12:04

Project: NYCDEP Permit No. 25-P3067-1 Date Received: 04/25/25

Client Sample ID: CYANIDE-3 SDG No.: Q1836

Lab Sample ID: Q1836-07 Matrix: WATER

% Solid: 0

Parameter	Conc. Q	ua.	DF MD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0012 U	U	1 0.00	2 0.0050	mg/L	04/28/25 08:00	04/28/25 12:38	
								C-16 plus E-16

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range



Lab Sample ID:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone: 908 789 8900,

Fax: 908 789 8922

Q1836-08

Report of Analysis

Client: Vartan Manufacturing Corp. Date Collected: 04/25/25 12:06

Project: NYCDEP Permit No. 25-P3067-1 Date Received: 04/25/25

Client Sample ID: CYANIDE-4 SDG No.: Q1836

% Solid: 0

WATER

Matrix:

Parameter	Conc. Qua.	DF MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0012 U	1 0.0012	0.0050	mg/L	04/28/25 08:00	04/28/25 12:58	SM 4500-CN
							C-16 plus E-16

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range



QC RESULT SUMMARY



284 Sheffield Street, Mountainside, New Jersey 07092, Phone: 908 789 8900,

Initial and Continuing Calibration Verification

Client: Vartan Manufacturing Corp. SDG No.: Q1836

Project: NYCDEP Permit No. 25-P3067-1 RunNo.: LB135574

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Cyanide	ICV1	mg/L	0.096	0.099	97	85-115	04/28/2025
Sample ID: Cyanide	CCV1	mg/L	0.25	0.25	100	90-110	04/28/2025
Sample ID: Cyanide	CCV2	mg/L	0.24	0.25	96	90-110	04/28/2025
Sample ID: Cyanide	CCV3	mg/L	0.26	0.25	104	90-110	04/28/2025





Initial and Continuing Calibration Blank Summary

Client: Vartan Manufacturing Corp. SDG No.: Q1836

Project: NYCDEP Permit No. 25-P3067-1 RunNo.: LB135574

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: Cyanide	ICB1	mg/L	< 0.0025	0.0025	U	0.0012	0.005	04/28/2025
Sample ID: Cyanide	CCB1	mg/L	< 0.0025	0.0025	Ū	0.0012	0.005	04/28/2025
Sample ID: Cyanide	CCB2	mg/L	0.0013	0.0025	J	0.0012	0.005	04/28/2025
Sample ID: Cyanide	CCB3	mg/L	0.0012	0.0025	J	0.0012	0.005	04/28/2025





Fax: 908 789 8922

Preparation Blank Summary

Client: Vartan Manufacturing Corp. SDG No.: Q1836

Project: NYCDEP Permit No. 25-P3067-1

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: Cyanide	PB167752BL mg/L	< 0.0025	0.0025	U	0.0012	0.005	04/28/2025



 $284 \; Sheffield \; Street, \; Mountainside, \; New \; Jersey \; 07092, \; Phone \; : \; 908 \; 789 \; 8900, \\$

Fax: 908 789 8922

Matrix Spike Summary

Client: Vartan Manufacturing Corp. SDG No.: Q1836

Project: NYCDEP Permit No. 25-P3067-1 Sample ID: Q1836-08

Client ID: CYANIDE-4MS Percent Solids for Spike Sample: 0

		Acceptance	Spiked	Conc.	Sample	Conc.	Spike	Dilution	%		Analysis
Analyte	Units	Limit %R	Result	Qualifier	Result	Qualifier	Added	Factor	Rec	Qual	Date
Cvanide	mg/L	75-125	0.036		0.0012	U	0.04	1	90		04/28/2025



 $284 \; Sheffield \; Street, \; Mountainside, \; New \; Jersey \; 07092, \; Phone: \; 908 \; 789 \; 8900, \\$

Fax: 908 789 8922

Matrix Spike Summary

Client: Vartan Manufacturing Corp. SDG No.: Q1836

Project: NYCDEP Permit No. 25-P3067-1 Sample ID: Q1836-08

Client ID: CYANIDE-4MSD Percent Solids for Spike Sample: 0

		Acceptance	Spiked	Conc.	Sample	Conc.	Spike	Dilution	%		Analysis
Analyte	Units	Limit %R	Result	Qualifier	Result	Qualifier	Added	Factor	Rec	Qual	Date
Cyanide	mg/L	75-125	0.037		0.0012	U	0.04	1	92		04/28/2025



 ${\tt 284~Sheffield~Street,~Mountainside,~New~Jersey~07092,~Phone:908~789~8900,}\\$

Fax: 908 789 8922

Duplicate Sample Summary

Client: Vartan Manufacturing Corp. SDG No.: Q1836

Project: NYCDEP Permit No. 25-P3067-1 Sample ID: Q1836-08

Client ID: CYANIDE-4DUP Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date	
Cvanide	mg/L	+/-20	0.0012	U	0.0012	U	1	0		04/28/2025	



 $284 \; Sheffield \; Street, \; Mountainside, \; New \; Jersey \; 07092, \; Phone: \; 908 \; 789 \; 8900, \\$

Fax: 908 789 8922

Duplicate Sample Summary

Client: Vartan Manufacturing Corp. SDG No.: Q1836

Project: NYCDEP Permit No. 25-P3067-1 Sample ID: Q1836-08

Client ID: CYANIDE-4MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date	
Cvanide	mg/L	+/-20	0.036		0.037		1	3		04/28/2025	_





Laboratory Control Sample Summary

Client: Vartan Manufacturing Corp. SDG No.: Q1836

Project: NYCDEP Permit No. 25-P3067-1 Run No.: LB135574

Analyte		Units	True Value		onc. % ualifier Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB167752BS							_
Cyanide		mg/L	0.1	0.095	95	1	85-115	04/28/2025



RAW DATA

Reviewed By:lwona On:4/29/2025 12:54:41 Inst Id :Konelab 20 LB :LB135574

Test results

Aquakem 7.2AQ1

Page:

CHEMTECH CONSULTING GROUP INC 284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : _ RM _ Instrument ID : Konelab

4/28/2025 13:04 _____

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors	
ICV1 ICB1 CCV1 CCB1 RL CHECK PB167752BL PB167752BS MIDPB167752 Q1836-05 Q1836-06 Q1836-07 CCV2 CCB2 Q1836-08 Q1836-08 Q1836-08 Q1836-08MS Q1836-08MS CCV3 CCV3 CCB3	96.478 0.769 253.951 0.629 5.670 0.769 95.383 244.370 1.564 0.479 1.110 240.375 1.265 0.582 0.524 36.454 37.302 255.899 1.236	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.065 0.001 0.169 0.001 0.004 0.001 0.064 0.163 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.005 0.025 0.025	113% (50-150) 97% (90-110)	04/28/2025 RM

N	19
Mean	67.095
SD	100.8591
CV%	150.32

Aquakem v. 7.2AQ1 Results from time period: Mon Apr 28 10:53:00 2025 Mon Apr 28 13:05:27 2025

1.0117(p1 20 10	J.00.Z/ Z02						
Sample Id	Sam/Ct	r/c/ Test shor	t r Test type	Result	Result unit	Result date and time	Stat
0.0PPBCN	Α	Total CN	Р	0.1617	µg/l	4/28/2025 11:29:03	
5.0PPBCN	Α	Total CN	Р	5.9943	µg/l	4/28/2025 11:29:04	
10PPBCN	Α	Total CN	Р	10.9163	µg/l	4/28/2025 11:29:05	
50PPBCN	Α	Total CN	Р	50.0401	ug/l	4/28/2025 11:29:06	
100PPBCN	Α	Total CN	Р	99.6338 μ	ıg/l	4/28/2025 11:29:07	
250PPBCN	Α	Total CN	Р	246.4259 µ	ıg/l	4/28/2025 11:29:08	
500PPBCN	Α	Total CN	P	501.828 µ	ıg/l	4/28/2025 11:29:09	
ICV1	S	Total CN	Р	96.4778 µ	18\f	4/28/2025 12:25:40	
ICB1	S	Total CN	Р	0.7686 µ	ıg/l	4/28/2025 12:25:41	
CCV1	S	Total CN	Р	253.9512 µ	ıg/l	4/28/2025 12:25:44	
CCB1	S	Total CN	Р	0.6295 µ	ıg/l	4/28/2025 12:33:14	
RL CHECK	S	Total CN	Р	5.6699 µ	g/l	4/28/2025 12:33:17	
PB167752BL	S	Total CN	P	0.769 μ	g/l	4/28/2025 12:33:19	
PB167752BS	S	Total CN	Р	95.3835 μ	g/l	4/28/2025 12:33:20	
MIDPB167752	S	Total CN	Р	244.3696 μ	g/l	4/28/2025 12:33:22	
Q1836-05	S	Total CN	Р	1.5642 µ	g/l	4/28/2025 12:33:24	
Q1836-06	S	Total CN	Р	0.4786 μ	g/l	4/28/2025 12:38:01	
Q1836-07	S	Total CN	P	1.1102 μլ	g/l	4/28/2025 12:38:02	
CCV2	S	Total CN	Р	240.3754 µg	g/l	4/28/2025 12:58:06	
CCB2	S	Total CN	Р	1.265 µջ	g/l	4/28/2025 12:58:07	
Q1836-08	S	Total CN	Р	0.5819 με	g/l	4/28/2025 12:58:08	
Q1836-08DUP	S	Total CN	P	0.5243 με	g/l	4/28/2025 12:58:09	
Q1836-08MS	S	Total CN	Р	36.4536 µg	g/l	4/28/2025 12:58:12	
Q1836-08MSD	S	Total CN	Р	37.3015 μg	g/L .	4/28/2025 12:58:13	
CCV3	S	Total CN	P	255.8985 µg	;/l 4	4/28/2025 12:58:14	
CCB3	S	Total CN	Р	1.2361 µg	:/l 4	4/28/2025 12:58:15	

Calibration results

Aquakem 7.2AQ1

Page:

1

CHEMTECH CONSULTING GROUP INC 284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : __________

Instrument ID : Konelab

4/28/2025 11:29

Test Total CN

Accepted

4/28/2025 11:29

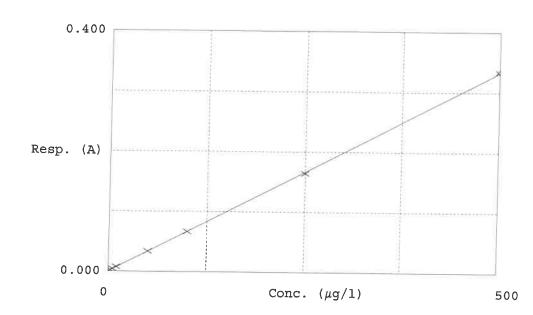
Factor

1505

Bias

Coeff. of det. 0.999912

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1 2 3 4 5 6 7	0.0PPBCN 5.0PPBCN 10PPBCN 50PPBCN 100PPBCN 250PPBCN 500PPBCN	0.001 0.004 0.008 0.034 0.067 0.164 0.334	0.1617 5.9943 10.9163 50.0401 99.6338 246.4259 501.8280	0.0000 5.0000 10.0000 50.0000 100.0000 250.0000 500.0000	19.9 9.2 0.1 -0.4 -1.4

04/20/2025 1214





SOP ID:	MSM4500-CN C,E-Cya	nide-12					
SDG No:	N/A		Start Dige	est Date: 04/28/2025	Time: 08:00	Temp:	123 °C
Matrix :	WATER		End Dige	est Date: 04/28/2025	Time: 09:30	_ ·	126 °C
Pippete ID:	WC						
Balance ID:	N/A						
Hood ID:	H00D#1	Digestion tube ID: M	15595	Block Therm	ometer ID :	WC CYANIDI	=
Block ID:	MC-1, MC-2	Filter paper ID : N	/A	Prep Technicia		10	
Weigh By :	N/A	pH Meter ID : N	/A	Superviso	r Signature:	12	
Standared	Name	MLS USED		STD REF. # FROM LO	G		
LCSW		1 OMI		WD444004			

Standared Name	MLS USED	STD REF. # FROM LOG	
LCSW	1.0ML	WP111296	-
MS/MSD SPIKE SOL.	0.40ML	WP111295	
PBW	50.ML	W3112	
RL CHECK	50.ML	WP112865	
N/A	N/A	N/A	

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50ML	WP111294
50% v/v H2SO4	5ML	WP112826
51% w/v MgCL2	2ML	WP112827
pH Paper 0-14	N/A	W3140
Nitrate/Nitrite Strip	N/A	W3101
Lead Acetate strip	N/A	W3134
KI-starch paper	N/A	W3155
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
S0	S0	N/A	N/A
S5.0	S5.0	N/A	N/A
S10.0	510.0	N/A	N/A
S100.0	S100.0	N/A	N/A
S250.0	S250.0	N/A	N/A
S500.0	S500.0	N/A	N/A
ICV	ICV	0.5ML	W3012
ICB	ICB	N/A	N/A
CCV	CCV	N/A	N/A
ССВ	ССВ	N/A	N/A
Midrange	Midrange	2.5ML	WP111295
HIGHSTD	HIGHSTD	N/A	N/A
LOWSTD	LOWSTD	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
14/28/2025 09.40	-SB (WC	RN (WC)
	Preparation Group	Analysis Group



Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	рН	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep
PB167752BL	PBW752	50	50	>12	Negative	Negative	Negative	N/A	N/A
PB167752BS	LCS752	50	50	>12	Negative	Negative	Negative	N/A	N/A
Q1836-05	CYANIDE-1	50	50	>12	Negative	Negative	Negative	N/A	N/A
Q1836-06	CYANIDE-2	50	50	>12	Negative	Negative	Negative	N/A	N/A
Q1836-07	CYANIDE-3	50	50	>12	Negative	Negative	Negative	N/A	N/A
Q1836-08	CYANIDE-4	50	50	>12	Negative	Negative	Negative	N/A	N/A
Q1836-08DUP	CYANIDE-4DUP	50	50	>12	Negative	Negative	Negative	N/A	N/A
(1836-08MS	CYANIDE-4MS	50	50	>12	Negative	Negative	Negative	N/A	N/A
21836-08MSD	CYANIDE-4MSD	50	50	>12	Negative	Negative	Negative	N/A	N/A

KONELAB

Instrument ID:



Daily Analysis Runlog For Sequence/QCBatch ID # LB135574

Review By	rubina		Review On	4/29/2025 12:52:35 PM		
Supervise By	lwc	ona	Supervise On	4/29/2025 12:54:41 PM		
SubDirectory	LB	135574	Test	Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP112860,WP112861,V	WP112862,WP112863,WP112864,WP1	12865,WP112866		
ICV Standard		W3012				
CCV Standard		WP112861				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP111296	WP111296			
Chk Standard		WP112643,WP111035,V	VP112868			

SampleId	ClientID	QcType	Date	Comment	Operator	Status
0.0PPBCN	0.0PPBCN	CAL1	04/28/25 11:29		rubina	ОК
5.0PPBCN	5.0PPBCN	CAL2	04/28/25 11:29		rubina	ОК
10PPBCN	10PPBCN	CAL3	04/28/25 11:29		rubina	ок
50PPBCN	50PPBCN	CAL4	04/28/25 11:29		rubina	ок
100PPBCN	100PPBCN	CAL5	04/28/25 11:29		rubina	ок
250PPBCN	250PPBCN	CAL6	04/28/25 11:29		rubina	ок
500PPBCN	500PPBCN	CAL7	04/28/25 11:29		rubina	ок
ICV1	ICV1	ICV	04/28/25 12:25		rubina	ок
ICB1	ICB1	ICB	04/28/25 12:25		rubina	ок
CCV1	CCV1	CCV	04/28/25 12:25		rubina	ок
CCB1	CCB1	ССВ	04/28/25 12:33		rubina	ок
RL	RL	SAM	04/28/25 12:33		rubina	ок
PB167752BL	PB167752BL	МВ	04/28/25 12:33		rubina	ок
PB167752BS	PB167752BS	LCS	04/28/25 12:33		rubina	ок
MIDPB167752	MIDPB167752	SAM	04/28/25 12:33		rubina	ок
Q1836-05	CYANIDE-1	SAM	04/28/25 12:33		rubina	ок
Q1836-06	CYANIDE-2	SAM	04/28/25 12:38		rubina	ок
Q1836-07	CYANIDE-3	SAM	04/28/25 12:38		rubina	ОК
	0.0PPBCN 5.0PPBCN 10PPBCN 50PPBCN 100PPBCN 250PPBCN 500PPBCN ICV1 ICB1 CCV1 CCB1 RL PB167752BL PB167752BS MIDPB167752 Q1836-05 Q1836-06	0.0PPBCN 0.0PPBCN 5.0PPBCN 5.0PPBCN 10PPBCN 10PPBCN 50PPBCN 50PPBCN 100PPBCN 250PPBCN 250PPBCN 500PPBCN 10CV1 ICV1 ICB1 ICB1 CCV1 CCV1 CCB1 RL PB167752BL PB167752BL PB167752BS MIDPB167752 MIDPB167752 CYANIDE-1 Q1836-06 CYANIDE-2	0.0PPBCN 0.0PPBCN CAL1 5.0PPBCN 5.0PPBCN CAL2 10PPBCN 10PPBCN CAL3 50PPBCN 50PPBCN CAL4 100PPBCN 100PPBCN CAL5 250PPBCN 250PPBCN CAL6 500PPBCN 500PPBCN CAL7 ICV1 ICV1 ICV ICB1 ICB ICC CCV1 CCV1 CCV CCB1 CCB1 CCB RL RL SAM PB167752BL PB167752BS LCS MIDPB167752 MIDPB167752 SAM Q1836-05 CYANIDE-1 SAM Q1836-06 CYANIDE-2 SAM	0.0PPBCN 0.0PPBCN CAL1 04/28/25 11:29 5.0PPBCN 5.0PPBCN CAL2 04/28/25 11:29 10PPBCN 10PPBCN CAL3 04/28/25 11:29 50PPBCN 50PPBCN CAL4 04/28/25 11:29 100PPBCN 100PPBCN CAL5 04/28/25 11:29 250PPBCN 250PPBCN CAL6 04/28/25 11:29 500PPBCN 500PPBCN CAL7 04/28/25 11:29 ICV1 ICV1 ICV 04/28/25 12:25 ICB1 ICB1 ICB 04/28/25 12:25 CCV1 CCV1 CCV 04/28/25 12:33 RL RL SAM 04/28/25 12:33 PB167752BL PB167752BS LCS 04/28/25 12:33 MIDPB167752 MIDPB167752 SAM 04/28/25 12:33 Q1836-05 CYANIDE-1 SAM 04/28/25 12:33 Q1836-06 CYANIDE-2 SAM 04/28/25 12:38	0.0PPBCN 0.0PPBCN CAL1 04/28/25 11:29 5.0PPBCN 5.0PPBCN CAL2 04/28/25 11:29 10PPBCN 10PPBCN CAL3 04/28/25 11:29 50PPBCN 50PPBCN CAL4 04/28/25 11:29 100PPBCN 100PPBCN CAL5 04/28/25 11:29 250PPBCN 250PPBCN CAL6 04/28/25 11:29 500PPBCN 500PPBCN CAL7 04/28/25 11:29 ICV1 ICV1 ICV 04/28/25 12:25 ICB1 ICB1 ICB 04/28/25 12:25 CCV1 CCV1 CCV 04/28/25 12:33 RL RL SAM 04/28/25 12:33 PB167752BL PB167752BS LCS 04/28/25 12:33 PB167752BS PB167752BS LCS 04/28/25 12:33 MIDPB167752 MIDPB167752 SAM 04/28/25 12:33 Q1836-06 CYANIDE-1 SAM 04/28/25 12:38	0.0PPBCN 0.0PPBCN CAL1 04/28/25 11:29 rubina 5.0PPBCN 5.0PPBCN CAL2 04/28/25 11:29 rubina 10PPBCN 10PPBCN CAL3 04/28/25 11:29 rubina 50PPBCN 50PPBCN CAL4 04/28/25 11:29 rubina 100PPBCN 100PPBCN CAL5 04/28/25 11:29 rubina 250PPBCN 250PPBCN CAL6 04/28/25 11:29 rubina 500PPBCN 500PPBCN CAL7 04/28/25 11:29 rubina ICV1 ICV1 ICV 04/28/25 12:25 rubina ICV1 ICV1 ICV 04/28/25 12:25 rubina ICB1 ICB1 ICB 04/28/25 12:25 rubina CCV1 CCV1 CCV 04/28/25 12:33 rubina CCB1 CCB1 CCB 04/28/25 12:33 rubina PB167752BL PB167752BS LCS 04/28/25 12:33 rubina MIDPB167752 SAM 04/28/25 12:33 rubina MIDPB16



Fax: 908 789 8922

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB135574

Review By	rub	ina	Review On	4/29/2025 12:52:35 PM			
Supervise By	lwo	na	Supervise On	4/29/2025 12:54:41 PM			
SubDirectory	LB1	135574	Test	Cyanide			
STD. NAME		STD REF.#					
ICAL Standard WP112860,WP112861,WP112862,WP112863,WP112864,WP112865,WP112866							
ICV Standard		W3012					
CCV Standard		WP112861					
ICSA Standard		N/A					
CRI Standard		N/A					
LCS Standard		WP111296					
Chk Standard		WP112643,WP111035,V	VP112868				

19	CCV2	CCV2	CCV	04/28/25 12:58	rubina	ок
20	CCB2	CCB2	ССВ	04/28/25 12:58	rubina	ОК
21	Q1836-08	CYANIDE-4	SAM	04/28/25 12:58	rubina	ОК
22	Q1836-08DUP	CYANIDE-4DUP	DUP	04/28/25 12:58	rubina	ОК
23	Q1836-08MS	CYANIDE-4MS	MS	04/28/25 12:58	rubina	ОК
24	Q1836-08MSD	CYANIDE-4MSD	MSD	04/28/25 12:58	rubina	OK
25	CCV3	CCV3	CCV	04/28/25 12:58	rubina	OK
26	CCB3	CCB3	ССВ	04/28/25 12:58	rubina	ОК



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789

8900, Fax: 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID :	Q1836
Test:	Cyanide

Prepbatch ID: PB167752,

Sequence ID/Qc Batch ID: LB135574,
Standard ID: WP111035,WP111294,WP111295,WP111296,WP112643,WP112826,WP112827,WP112859,WP112860,WP112861,WP 112862,WP112863,WP112864,WP112865,WP112866,WP112868,
Chemical ID: M6041,M6121,W2668,W2882,W3012,W3019,W3101,W3112,W3113,W3138,W3139,W3140,W3152,W3154,
IVIOU4 1,IVIO 12 1,VV2006,VV2662,VV3U 12,VV3U 19,VV3 1U 1,VV3 112,VV3 136,VV3 139,VV3 14U,VV3 132,VV3 134,





Fax: 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
607	PYRIDINE-BARBITURIC ACID	WP111035	12/09/2024	04/30/2025	Niha Farheen Shaik	WETCHEM_S CALE 5 (WC		4044040004
					Silaik	SC-5)	Fipelle-A	12/10/2024

FROM 145.00000ml of W3112 + 15.00000gram of W2882 + 15.00000ml of M6121 + 75.00000ml of W3019 = Final Quantity: 250.000 ml

Recipe ID	NAME_	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
11	Sodium hydroxide absorbing solution 0.25 N	WP111294	01/07/2025	07/07/2025	Niha Farheen Shaik	WETCHEM_S CALE 5 (WC	None	01/07/2025
					0a.ii	SC-5)		01/01/2023

FROM 21.00000L of W3112 + 210.00000gram of W3113 = Final Quantity: 21.000 L



Aliance TECHNICAL GROUP

Fax: 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
3850	Cyanide MS-MSD spiking solution, 5PPM	<u>WP111295</u>	01/07/2025	07/07/2025	Niha Farheen Shaik	None	WETCHEM_F IPETTE_3	01/07/2025
	4 00000 5 14 04 54 + 400 00000	5 1 4 1 5 G					(VVC)	

FROM 1.00000ml of W3154 + 199.00000ml of WP111294 = Final Quantity: 200.000 ml

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
3371	Cyanide LCS Spike Solution, 5PPM	<u>WP111296</u>	01/07/2025	07/07/2025	Niha Farheen Shaik	None	WETCHEM_F IPETTE_3 (WC)	,

FROM 1.00000ml of W3138 + 199.00000ml of WP111294 = Final Quantity: 200.000 ml



Alliance TECHNICAL GROUP

Fax: 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	<u>NAME</u>	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
539	CN BUFFER	WP112643	04/09/2025	10/09/2025	Niha Farheen	WETCHEM_S	None	
					Shaik	CALE_5 (WC		04/09/2025
FDOM	139 00000gram of W2669 + 962 000	100ml of 14/2	112 - Final O		100 ml	SC-5)		

FROM 138.00000gram of W2668 + 862.00000ml of W3112 = Final Quantity: 1000.000 m	nΙ
--	----

Recipe				Expiration	Prepared			Supervised By
<u>ID</u>	<u>NAME</u>	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
1714	Sulfuric Acid, 50% (v/v)	WP112826	04/25/2025	10/25/2025	Rubina Mughal	None	None	·
								04/25/2025

FROM 1000.00000ml of M6041 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml



Alliance

Fax: 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME.	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
3214	Magnesium Chloride For Cyanide 2.5M(51%W/V)	WP112827	04/25/2025	10/25/2025	Rubina Mughal	WETCHEM_S CALE_8 (WC	None	04/25/2025
						SC-7)		

FROM 500.00000ml of W3112 + 510.00000gram of W3152 = Final Quantity: 1000.000 ml

Recipe ID	NAME_	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
3456	Cyanide Intermediate Working Std, 5PPM	<u>WP112859</u>	04/28/2025	04/29/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	04/28/2025

FROM 0.25000ml of W3154 + 49.75000ml of WP111294 = Final Quantity: 50.000 ml



Alliance

Fax: 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	<u>NAME</u>	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych		
4	Calibation standard 500 ppb	WP112860	04/28/2025	04/29/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3	04/28/2025		
FROM	(VVC)									

FROM	45.000001111 01 WP 111294	+ 5.000001111 01 112059	= Final Quantity, 50,000 mil

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
3761	Calibration-CCV CN Standard 250 ppb	<u>WP112861</u>	04/28/2025	04/29/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	,

FROM 2.50000ml of WP112859 + 47.50000ml of WP111294 = Final Quantity: 50.000 ml



Fax: 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe				Expiration	Prepared			Supervised By		
<u>ID</u>	NAME	NO.	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych		
6	Calibration Standard 100 ppb	WP112862	04/28/2025	04/29/2025	Rubina Mughal	None	WETCHEM_F			
							IPETTE_3	04/28/2025		
FROM 1.00000ml of WP112859 + 49.00000ml of WP111294 = Final Quantity: 50.000 ml										

1.00000ml of WP112859 + 49.00000ml	of WP111294 = Final Qu	antity: 50.000 ml
------------------------------------	------------------------	-------------------

Recipe				Expiration	<u>Prepared</u>			Supervised By
<u>ID</u>	NAME	NO.	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
7	Calibration Standard 50 ppb	WP112863	04/28/2025	04/29/2025	Rubina Mughal	None	WETCHEM_F	'
							IPETTE_3	04/28/2025

0.50000ml of WP112859 + 49.50000ml of WP111294 = Final Quantity: 50.000 ml **FROM**



Alliance

Fax: 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME.	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych			
8	Calibration Standard 10 ppb	<u>WP112864</u>	04/28/2025	04/29/2025	Rubina Mughal	None	WETCHEM_F IPETTE_3	04/28/2025			
FROM	FROM 1.00000ml of WP112860 + 49.00000ml of WP111294 = Final Quantity: 50.000 ml (WC)										

Recipe				Expiration	<u>Prepared</u>			Supervised By
<u>ID</u>	NAME	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Iwona Zarych
9	Calibration Standard 5 ppb	WP112865	04/28/2025	04/29/2025	Rubina Mughal	None	WETCHEM_F	•
							IPETTE_3	04/28/2025

FROM 0.50000ml of WP112860 + 49.50000ml of WP111294 = Final Quantity: 50.000 ml



Alliance

Fax: 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
167	0 ppb CN calibration std	WP112866	04/28/2025	04/29/2025	Rubina Mughal	None	None	
								04/28/2025

FROM 50.0	0000ml of WP111294	Final Quanti	ty: 50.000	ml
------------------	--------------------	--------------------------------	------------	----

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	PipetteID	Supervised By
1582			04/28/2025			WETCHEM_S		Iwona Zarych
					_	CALE_5 (WC	Pipette-A	04/28/2025

FROM 0.08000gram of W3139 + 20.00000ml of W3112 = Final Quantity: 20.000 ml



CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	03/20/2028	08/16/2024 / mohan	08/16/2024 / mohan	M6041
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	0000275677	05/13/2025	11/13/2024 / Eman	10/13/2024 / Eman	M6121
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3818-5 / SODIUM PHOSPHATE, MONOBAS/HYD, CRYS, ACS, 2.5 KG	0000225799	12/03/2025	04/05/2021 / Alexander	02/10/2020 / apatel	W2668
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EM-BX0035-3 / Barbituric Acid, 100 gms	1.00132.0100	04/30/2025	12/07/2021 /	11/30/2021 / apatel	W2882
		1.00132.0100 Lot #	04/30/2025 Expiration Date	12/07/2021 / Date Opened / Opened By		W2882 Chemtech Lot #
Supply, Inc.	Acid, 100 gms		Expiration	Date Opened /	apatel Received Date /	Chemtech
Supply, Inc. Supplier	Acid, 100 gms ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By 02/20/2020 /	Chemtech Lot #



CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	470112-662 / TEST STRIPES, NITRATE/NITRITE, PK50	402403	04/30/2026	05/02/2024 / Iwona	04/10/2024 / Iwona	W3101
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-7 / Sodium Hydroxide Pellets 12 Kg	23B1556310	12/31/2025	07/08/2024 / Iwona	07/08/2024 / Iwona	W3113
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	LC135457 / Cyanide Standard, 1000 PPM, Second Source	44080060	01/30/2025	09/06/2024 / Iwona	08/28/2024 / Iwona	W3138
Supplier	ItemCode / ItemName	Lot #	Expiration	Date Opened /	Received Date / Received By	Chemtech Lot #
Supplier		201 "	Date	Opened By	Received by	LOI #
PCI Scientific Supply, Inc.	JTE494-6 / CHLORAMINE-T BAKER 250GM	10239484	Date 09/09/2029	09/09/2024 / Iwona	09/09/2024 / Iwona	W3139
PCI Scientific	JTE494-6 / CHLORAMINE-T BAKER			09/09/2024 /	09/09/2024 /	



Fax: 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	01237-10KG / Megnasium Chloride Hexahydrate ACS 10KG	002126-2019-201	11/25/2029	11/25/2024 / lwona	11/25/2024 / Iwona	W3152

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	RC2543-4 / CYANIDE STD 1000PPM 4OZ	1411J58	05/31/2025	12/02/2024 / Iwona	12/02/2024 / Iwona	W3154

W3019 lec 4/3/23

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com Email USA: techserv@sial.com Outside USA: eurtechserv@sial.com

Product Name:

Certificate of Analysis

Pyridine - anhydrous, 99.8%

Product Number:

270970

Batch Number:

SHBQ2113

Brand:

SIAL

CAS Number:

110-86-1

MDL Number:

MFCD00011732

Formula:

C5H5N

Formula Weight:

79.10 g/mol

Quality Release Date:

15 DEC 2022

L	
	N

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	> 99.75 %	99.99 %
Water (by Karl Fischer)	_ < 0.003 %	0.002 %
Residue on Evaporation	_ < 0.0005 %	< 0.0001 %

Larry Coers, Director Quality Control

Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.





QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY "An ISO 9001:2015 Certified Program"

R: 02/20

APTIM

Instructions for QATS Reference Material: Inorganic ICV Solutions

For ICP-MS use: dilute the ICV1 concentrate 50-fold with 1% (v/v) nitric acid; pipet 2 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

W3DII W3012

ICV5-0415

For the cold vapor analysis of mercury by AA: dilute the ICV5 concentrate 100-fold with 2% (v/v) nitric acid; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) K₂Cr₂O₇ and 5% (v/v) nitric acid. W3015

W3013 W 3014

ICV6-0400

For the analysis of cyanide: dilute the ICV6 concentrate 100-fold with Type II water; pipet 1 mL of the concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from K₃Fe(CN)₆, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS

ICV1-1014				
Element	Concentration (µg/L) (after 10-fold dilution)	Concentration (µg/L) (after 50-fold dilution)		
Ai	2520	504		
Sb	1010	202		
As	997	199		
Ва	518	104		
Be	514	103		
Cd	514	103		
Ca	10000	2000		
Cr	517	103		
Со	521	104		
Cu	505	101		
Fe	10100	2020		
Pb	1030	206		
Mg	5990	1198		
Mn	524	105		
Ni	525	. 105		
K	9940	1988		
Se	1030	206		
Ag	252	50		
Na	10100	2020		
TI	1040	208		
V	504	101		
Zn	1010	202		

ICV5-0415		ICV6-0400	
Element	Concentration (µg/L) (after-100-fold dilution)	Analyte Concentration (μ (after 100-fold dilu	
Hg	4.0	CN ⁻	99

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium





Material No.: 9673-33

Batch No.: 23D2462010 Manufactured Date: 2023-03-22

Retest Date: 2028-03-20

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H2SO4)	95.0 - 98.0 %	96,1 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Substances Reducing Permanganate (as SO2)	≤ 2 ppm	< 2 ppm
Ammonium (NH ₄)	≤ 1 ppm	1 ppm
Chloride (CI)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO ₃)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO ₄)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities – Aluminum (AI)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities – Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities - Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities - Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities - Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities - Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities - Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities - Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities – Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid BAKER INSTRA-ANALYZED® Reagent For Trace Metal Analysis Low Selenium





Material No.: 9673-33 Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities - Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: USA

Packaging Site: Phillipsburg Mfg Ctr & DC



Hydrochloric Acid, 36.5-38.0% BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis





R->10/13/24 Met dig

M 6121

Material No.: 9530-33 Batch No.: 0000275677 Manufactured Date: 2020/12/16 Retest Date: 2025/12/15

Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 – 1.192	1.190
ACS – Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	1
ACS - Free Chlorine (as Cl2)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities – Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	< 0.2
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities – Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Frace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3
Frace Impurities – Calcium (Ca)	<= 50.0 ppb	29.7
race Impurities – Chromium (Cr)	<= 1.0 ppb	< 0.4
race Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.4
race Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1
race Impurities – Gallium (Ga)	<= 1.0 ppb	< 0.2

Material No.: 9530-33 Batch No.: 0000275677

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	<1
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.1
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Frace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Frace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
race Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
race Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
race Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
race Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
race Impurities – Thallium (TI)	<= 5.0 ppb	< 2.0
race Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
race Impurities - Titanium (Ti)	<= 1.0 ppb	0.8
race Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
race Impurities – Zinc (Zn)	<= 5.0 ppb	
race Impurities – Zirconium (Zr)	<= 1.0 ppb	0.3 < 0.1

For Laboratory, Research or Manufacturing Use Product Information (not specifications): Appearance (clear, fuming liquid) Meets ACS Specifications

Country of Origin:

US

Packaging Site:

Phillipsburg Mfg Ctr & DC





1.00132.0000 Barbituric acid for analysis EMSURE® N020065932

	Spec. Values	3	Batch Values	
Assay (acidimetric)	≥ 99	%	99.6	%
Identity (IR-spectrum)	passes test		passes test	
Chloride (CI)	≤ 40	ppm	≤ 40	ppm
Heavy metals (as Pb)	≤ 50	ppm	≤ 50	ppm
Fe (Iron)	≤ 10	ppm	≤ 10	ppm
Sulfated ash	≤ 0.1	%	≤ 0.1	%
Loss on Drying (105 °C)	≤ 0.1	%	≤ 0.1	%
Suitability as reagent (for cyanide determination)	passes test		passes test	

Date of release (DD.MM.YYYY) 17.04.2020 Minimum shelf life (DD.MM.YYYY) 30.04.2025

Ioannis Chartomatsidis

Responsible laboratory manager quality control

This document has been produced electronically and is valid without a signature.

Sodium Phosphate, Monobasic, Monohydrate, Crystal BAKER ANALYZED® A.C.S. Reagent **C**Vavantor™ J.T.Baker

(sodium dihydrogen phosphate, monohydrate)

Material No.: 3818-05 Batch No.: 0000225799

Manufactured Date: 2018/12/05 Retest Date: 2025/12/03

Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay (NaH2PO4 · H2O)	98.0 - 102.0 %	99.5
pH of 5% Solution at 25°C	4.1 - 4.5	4.3
Insoluble Matter	<= 0.01 %	< 0.01
Chloride (CI)	<= 5 ppm	< 5
ACS - Sulfate (SO ₄)	<= 0.003 %	< 0.003
Calcium (Ca)	<= 0.005 %	< 0.005
Potassium (K)	<= 0.01 %	< 0.01
Heavy Metals (as Pb)	<= 0.001 %	< 0.001
Trace Impurities – Iron (Fe)	<= 0.001 %	< 0.001

For Laboratory, Research or Manufacturing Use Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: IN

Packaging Site: Paris Mfg Ctr & DC





12/14/2022

12/31/2025

Sodium Hydroxide (Pellets)

Material: 0583

Grade: ACS GRADE Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40

CAS #: 1310-73-2

Appearance: Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Manufacture Date:

Expiration Date:

Internal ID #: 710

Signature Additional Information

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC.

28600 Fountain Parkway, Solon OH 44139 USA

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.



12/14/2022

12/31/2025

Room Temperature

Manufacture Date:

Expiration Date:

Storage:

Sodium Hydroxide (Pellets)

Material: 0583

Grade: ACS GRADE Batch Number: 23B1556310

Chemical Formula: NaOH Molecular Weight: 40

CAS #: 1310-73-2

Appearance:

Pellets

Spec Set: 0583ACS

Internal ID #: 710

Signature Additional Information

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.



Part of TCP Analytical Group

Jackson's Pointe Commerce Park-Building 1000 1010 Jackson's Pointe Court, Zelienople, PA 16063

Certificate of Analysis

Cyanide Standard 1000 ppm (1ml = 1mg CN)

Product Code: LC13545 Manufacture Date: August 01, 2024

Lot Number: 44080060 Expiration Date: January 30, 2025

Test	Specification	Result	
Appearance (clarity)	clear solution	clear solution	
Appearance (color)	colorless	colorless	
Concentration (CN)	0.990 - 1.010mg/mL	1.008mg/mL	
Concentration (CN)	990 - 1,010ppm	1,008ppm	
Traceable to NIST SRM	Report	999b	

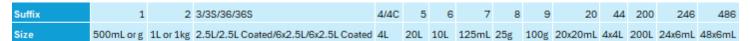
Intended Use - Product is intended for use in manufacturing procedures and laboratory procedures and protocols.

Storage Information - Unless noted on the product label, store the product under normal lab conditions in its tightly closed, original container. Do not pipet directly from the container or return unused portions to the container.

Instructions for Handling and Use - Please refer to the associated product label and Safety Data Sheet (SDS) for information regarding safety and handling of this product.

Preparation - All products are manufactured and tested according to established, documented procedures and methodology. Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balances, thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST standards.

The suffix of the product code may differ from what is on your product label. The suffix will designate the size and be associated with a numeric digit(s). Visit LabChem.com for more information







W3139 Received on 9/9/24 by IZ

Product No.: A12044

Product: Chloramine-T trihydrate, 98%

Lot No.: 10239484

Appearance: White powder Melting Point: 166°C(dec)
Assay (Iodometric titration): 100.5% Identification (FTIR): Conforms

Order our products online thermofisher.com/chemicals

This document has been electronically generated and does not require a signature.

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Chem-Impex International, Inc.

Tel: (630) 766-2112 Fax: (630) 766-2218

E-mail: sales@chemimpex.com

Web site: www.chemimpex.com

Shipping and Correspondence:935 Dillon Drive
825 Dillon Drive

Wood Dale, IL 60191 Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number 01237

Lot Number 002126-2019-201

Product Magnesium chloride hexahydrate

Magnesium chloride•6H₂O

CAS Number 7791-18-6 Molecular Formula MgCl₂•6H₂O

Molecular Weight 203.3

Appearance White crystals

Solubility 167 g in 100 mL water

Melting Point ~ 115 °CHeavy Metals4.393 ppm

Anion Nitrate (NO_3) : < 0.001%

 $\begin{aligned} &Phosphate \ (PO_4): < 5 \ ppm \\ &Sulfate \ (SO_4): < 0.002\% \end{aligned}$

Cation Ammonium (NH₄): < 0.002%

Barium (Ba) : 0.005% Calcium (Ca) : 0.01% Iron (Fe) : 4.5 ppm

Manganese (Mn): 0.624 ppm Potassium (K): 0.004% Sodium (Na): 0.000003% Strontium (Sr): 0.005%

Insoluble material0.0021%Assay by titration100.83%GradeACS reagentStorageStore at RT

Catalog Number: 01237 Lot Number: 002126-2019-201

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Bala Kumar

Quality Control Manager

448 West Fork Dr Arlington, TX 76012 http://www.riccachemical.com 1-888-GO-RICCA

customerservice@riccachemical.com

Certificate of Analysis

Cyanide Standard, 1000 ppm CN

Lot Number: 1411J58 Product Number: 2543

Manufacture Date: NOV 22, 2024 Expiration Date: MAY 2025

This standard is prepared using accurate volumetric techniques from material that has been assayed against Silver Nitrate solution certified traceable to NIST Standard Reference Material 999. The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is the combined uncertainty based on the stability of the assayed Potassium Cyanide, and the uncertainty in the mass and volume measurements.

Use 0.16% (w/v) (0.04 N) Sodium Hydroxide or 0.225% (w/v) (0.04 N) Potassium Hydroxide to make dilutions of this standard. Restandardize weekly if extreme accuracy is required.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Cyanide	151-50-8	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Result
Appearance	Colorless liquid	Passed
Cyanide (CN)	995-1005 ppm	1000 ppm

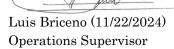
Specification	Reference
Stock Standard Cyanide Solution	APHA (4500-CN- F)
Stock Cyanide Solution	APHA (4500-CN- E)
Stock Cyanide Solution	APHA (4500-CN- K)
Stock Cyanide Solution	APHA (4500-CN- H)
Cyanide Reference Solution (1000 mg/L)	EPA (SW-846) (7.3.3.2)
Cyanide Calibration Stock Solution (1,000 mg/L CN-)	EPA (SW-846) (9213)
Stock Cyanide Solution	EPA (335.3)
Stock Cyanide Solution	EPA (335.2)
Cyanide Solution Stock	ASTM (D 4282)
Simple Cyanide Solution, Stock (1.0 g/L CN)	ASTM (D 4374)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
2543-16	500 mL amber poly	6 months
2543-32	1 L amber poly	6 months
2543-4	120 mL amber poly	6 months

Recommended Storage: 2°C - 8°C (36°F - 46°F)

Version: 1.3 Lot Number: 1411J58 Product Number: 2543 Page 1 of 2



This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.

Version: 1.3 Lot Number: 1411J58 Product Number: 2543 Page 2 of 2



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 • Fax (908) 789-8922 www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO.
COC Number 2046708

CUENTINEORMATION					OUTSIT DOG ITOT INTODIATION									OUT THE INCOME THE						
CLIENT INFORMATION / REPORT TO BE SENT TO:				CLIENT PROJECT INFORMATION							CLIENT BILLING INFORMATION									
COMPANY:	Vacton	Mfg	cosp	PROJECT NAME:				D-Dag	· C	Compliance BILL TO:						PO#:				
ADDRESS: 1	7-19 U	U. 457K.	Suite 705 P	PROJEC	TNC). <u>:</u>		LOCA	TION:				ADDR	ESS:						
CITY NE	w Josh	STATE N	7 ZIP:/0036	PROJEC	T MA	NAC	BER:						CITY					STAT	ГЕ:	:ZIP:
ATTENTION:				e-mail:									ATTEN	NTION:			PHONE:			
PHONE:		FAX:		PHONE:	5			FA	X:								AN/	ALYSIS		
	DATA TURNAR	OUND INFORMA	TION			ATA	DELIVE	RABLE IN	FORM	ATION			J. 1	,	,	للتبر	,		مرساس بر	المرسارك
FAX (RUSH)				☐ Level	2 (Re 3 (Re w Dat	sults sults a)	+ QC) 🗆 + QC 🗅	Level 4 (QC NJ Reduced NYS ASP A Other	I 🗅 U	S EPA CI	LP /	/3.	/4	5	/6	/1	/8	/9.	//	
					SAM	PLE	SA	MPLE	SS				PRES	SERVA	TIVES			, 11	CC	DMMENTS
ALLIANCE SAMPLE ID	Si	PROJECT	CATION	SAMPLE MATRIX	TY			TIME	OF BOTTLES										← Speci A-HCI B-HN03	ify Preservatives D-NaOH E-ICE
					8	Ğ			41:	1	2	3	4	5	6	7	8	9	C-H2SO4	F-OTHER
1.							4/21	9'0040	4											
2.							4/21	10,00A	H											
3.							4/21	11:00 A	M											
4.							4/21	12.60 \$												
5.							4/21	1:00/	M											
6.							4/22	9.00												
7.							4/22													
8.							4/22	11.00												
9.							9/22	12:60 F												
10.							4/22	1.00/												
T /5 1	L L	SAMPLE CUSTO	DDY MUST BE DOCU	JMENTED	BEL					HANGE	POSS	ESSIO	N INCL	UDING	COUR	IER DE	LIVER	Y		
RELINQUISHED BY RELINQUISHED BY 2. FELE	Y SAMPLER:	DATE/TIME: 5/1/ /22 2 DATE/TIME: 4-25-25	1.	5)	Conditi	ons or bottles t	or cooler	s at receip	t: 🗆 C(OMPLIANT	□ NON	COMPLIA	NT Q C	OOLER TE	:MP	3.0		_ °C
RELINQUISHED BY	Y SAMPLER:	DATE/TIME:	RECEIVED BY:						T	CLIEN	r: 🗅	Hand De	elivered	0 0	ther			T		nt Complete
).			3.				Page	of											☐ YES	□ NO



284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 • Fax (908) 789-8922 www.chemtech.net

ALLIANCE PROJECT NO. QUOTE NO.

COC Number 2046707

CLIENT INFORMATION				CLIENT PROJECT INFORMATION						CLIENT BILLING INFORMATION										
COMPANY: Vartar Mg. COCp-				PROJE	CT.N	IAMI	: 9	D_0	iy (LOM	plia	ae	BILL T	O:					PO#:	
ADDRESS: 7	17-19w	45# st.	Sufe 7050	PROJEC	OT NO).:		LOC					ADDR							
cityVen	s York	STATE	1 ZIP:/0036	PROJEC			ER:						CITY					STAT	ΓΕ:	:ZIP:
ATTENTION:	. 0			e-mail:									ATTE	NTION:				PHO	NE:	
PHONE:		FAX:		PHONE:				F	AX:								ANA	ALYSIS		
	DATA TURNAF	OUND INFORMAT	ION	THONE		ATA	DELIVE	RABLE IN		ATION										الأركرك
FAX (RUSH) HARDCOPY (D. EDD: *TO BE APPRO STANDARD HA	VED BY CHEM		DAYS* DAYS* DAYS*	Level	2 (Re 3 (Re w Data	sults - sults - a)	+ QC) 🗀 + QC 🚨	Level 4 (Q0 NJ Reduce NYS ASP A Other	d 🗓 US	EPA CI		3	4	5 SERVA		/1	/8	/9.		MANENTO
ALLIANCE		PROJECT		SAMPLE	SAM			MPLE ECTION	TLES				PRE	SERVA	IIVES				← Speci	MMENTS fy Preservatives
SAMPLE ID	S	AMPLE IDENTIFICA	ATION	MATRIX	COMP	GRAB	DATE	TIME	# OF BOTTLES	1	2	3	4	5	6	7 -	8	9	A-HCI B-HN03 C-H2SO4	D-NaOH E-ICE F-OTHER
1.							4/23	9:00 A	er											
2.							4/23	10:00												
3.							4/23	11:00	for											
4.							4/23	H.00/	Al											
5.							4/23	1.00	por						0					
6.							9/24	9:00	461											
7.							4/24	10,08	409											
8.							4/24	11:00	Mag											
9.							4/29	12:00	APR											
10.	1						4/24	1:00/	pM											
RELINGUISHED BY RELINGUISHED BY RELINGUISHED BY	Y SAMPLER:	DATE/TIME: DATE/TIME: DATE/TIME: DATE/TIME: DATE/TIME: DATE/TIME:	RECEIVED BY: 1. RECEIVED BY: 2. RECEIVED BY:	JMENTED	BEL	.ow	_	ons of bottles	or coolers		t: 🛚 CC	DMPLIANT		COMPLIA	NT 🗅 C			3.0	Shipmen	°C
3.			3.				Page	of												D NO

Alliance	Technical	Charme	TIC	WT	1-
Amance	recumicat	Group,		- News	LFK

284 Sheffield Street Mountainside, NJ 07092

Laboratory Composite Sample log

Lab Project number:	1836	Date:	4-25-25
123			

Client Name: Vastav Mfg. Corp Client Project Name : 90 Day Couplieuce

Instructions: Composite Cyurde Samples 4:1

Sample Custodian:__

Client Sample ID	Weigh /Volume used	New ID	Sample Description	Sample Composite time	Comments
Cypurde - 1	62.5 W	Cyande-1	"CKAR WATE"	1200	62-5ml x 4 = 500 ml
Cyande-3 Cyande-4		Cypride - 2		1202	
Cynurde-3		C+Mide-3		1204	
CYALIDE -4		CYAUTRE-4		1206	
E.	,			,	
193					,



Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148