FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

МВНСЈ7	

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Matrix: SOIL Lab Sample ID: P4499-01

% Solids: 84.4 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.58	U	10/25/2024	1251

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHCJ8

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Matrix: SOIL Lab Sample ID: P4499-02

% Solids: 84.8 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.57	U	10/25/2024	1251

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN

MBHCJ9

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Case No.: 51698 MA No.: SDG No.: MBHCJ7 Lab Code: ACE

Lab Sample ID: P4499-03 Matrix: SOIL

% Solids: 79.1 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.24	J	10/25/2024	1251

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

мвнск0

INONGANIC ANALISIS DATA SHEET

Matrix: SOIL Lab Sample ID: P4499-04

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

% Solids: 80.3 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.62	U	10/25/2024	1251

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHCK1

Matrix: SOIL Lab Sample ID: P4499-05

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

% Solids: 79.6 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.62	U	10/25/2024	1251

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHCK2
MBHCK2

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51698 MA No.: SDG No.: MBHCJ7

Matrix: SOIL Lab Sample ID: P4499-06

% Solids: 77.8 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.61	U	10/25/2024	1251

NOTE: Hardness (total) is reported in  $\ensuremath{\text{mg}/\text{L}}$ 

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHCK8	MBHCK8
--------	--------

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Matrix: SOIL Lab Sample ID: P4499-07

% Solids: 93.5 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.52	U	10/25/2024	1252

NOTE: Hardness (total) is reported in  $\ensuremath{\text{mg}/\text{L}}$ 

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

мвнск9

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Matrix: SOIL Lab Sample ID: P4499-08

% Solids: 91.8 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.53	U	10/25/2024	1315

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHCL0		

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Matrix: SOIL Lab Sample ID: P4499-09

% Solids: 92.3 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.52	U	10/25/2024	1258

NOTE: Hardness (total) is reported in  $\ensuremath{\text{mg}/\text{L}}$ 

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHCL1	

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Matrix: SOIL Lab Sample ID: P4499-10

% Solids: 91.6 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.51	U	10/25/2024	1258

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Case No.: 51698 MA No.: SDG No.: MBHCJ7 Lab Code: ACE

Matrix: SOIL Lab Sample ID: P4499-11

% Solids: 88.4 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.56	U	10/25/2024	1258

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51698 MA No.: SDG No.: MBHCJ7

Matrix: SOIL Lab Sample ID: P4499-13

% Solids: 83.4 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.57	U	10/25/2024	1258

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN

MBHCL9

INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Matrix: SOIL Lab Sample ID: P4499-14

% Solids: 84.9 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.55	U	10/25/2024	1258

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN INORGANIC ANALYSIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE

Case No.: 51698 MA No.: SDG No.: MBHCJ7

Matrix: SOIL

Lab Sample ID: P4499-15

% Solids: 77.4

Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ :

mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.62	U	10/25/2024	1315

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHCM1
--------

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Matrix: SOIL Lab Sample ID: P4499-16

% Solids: 89.1 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.53	U	10/25/2024	1315

NOTE: Hardness (total) is reported in  $\ensuremath{\text{mg}/\text{L}}$ 

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

мвнсм2		

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Matrix: SOIL Lab Sample ID: P4499-17

% Solids: 80.1 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.59	U	10/25/2024	1315

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

МВНСМ8

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Matrix: SOIL Lab Sample ID: P4499-18

% Solids: 82 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.60	U	10/25/2024	1315

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

МВНСМ9

INONGANIC ANALISIS DATA SHEET

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Matrix: SOIL Lab Sample ID: P4499-19

% Solids: 90.5 Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.53	U	10/25/2024	1315

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN INORGANIC ANALYSIS DATA SHEET

MBHCN0	

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Sample ID: P4499-20

Case No.: 51698 MA No.: SDG No.: MBHCJ7 Lab Code: ACE

% Solids: 85.6 Date Received: 10/23/2024

Analytical Method: CN

Matrix: SOIL

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ : mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.87		10/25/2024	1315

NOTE: Hardness (total) is reported in mg/L

FORM 1 - IN INORGANIC ANALYSIS DATA SHEET

MBHCY0	

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE

Case No.: 51698 MA No.: SDG No.: MBHCJ7

Matrix: SOIL

Lab Sample ID: P4499-12

% Solids: 72

Date Received: 10/23/2024

Analytical Method: CN

Concentration Units  $\overline{(\mu g/L, mg/L, mg/kg dry weight, \mu g, or \mu g/cm^2)}$ :

mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
57-12-5	Cyanide	0.67	U	10/25/2024	1258

NOTE: Hardness (total) is reported in mg/L

Reviewed By:lwona On:10/30/2024 1:28:01 PM nst Id :KONELAB

\_\_\_\_\_\_\_ Test results

Aquakem 7.2AQ1

Page:

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

Reviewed by : MF Instrument ID : Konelab

10/25/2024 14:04

Test: CNEPA-NEW

	Sample Id	Result	Dil. 1 +	Response	Errors	
	ICV001 ICV001	96 990		0.006		
	ICB001 ICB001	0 447	0.0	0.086 0.001		
		247.147		0.219		
	CCB001 CCB001	0.262	0.0	0.001		
NF	CCB001 CCB001 B164384#PBS384	0.160	0 0	0.001		
10.25.2024	P4498-01 MBHDD1	-0.050	0.0	0.001		
(0	P4498-02 MBHDD2	0.016		0.001		
	P4498-03 MBHDD8	-0.013		0.001		
	P4498-04 MBHDD9	0.272	0.0	0.001		
	P4498-05 MBHDE0	-0.102	0.0	0.000		
	P4498-06 MBHDE1	0.429		0.001		
	P4498-07 MBHDE2	0.520	0.0	0.001		
	P4498-08 MBHDE8	2.068	0.0	0.002		
	P4498-10 MBHDF0	0.055	0.0	0.001		
	P4498-11 MBHDF0D	-0.443	0.0	0.000		
	P4498-12 MBHDF0S		0.0	0.082		
	P4498-13 MBHDF1	0.532	0.0	0.001		
	P4498-14 MBHDF2	0.775	0.0	0.001		
	P4498-15 MBHCH8	1.187	0.0	0.002		
	P4498-16 MBHCH9	-0.115	0.0	0.000		
	P4498-17 MBHCJ0	0.666	0.0	0.001		
		0.874	0.0	0.001		
		0.375	0.0	0.001		
	P4498-20 MBHCJ3	0.699	0.0	0.001		
	P4498-21 MBHCJ5 P4498-22 MBHCJ6		0.0	0.001		
	CCV002 CCV002	6.280 237.625	0.0	0.006		
	CCB002 CCB002	237.625		0.211		
NG	CCB002 CCB002 PB164385%LPBS385 P4499-01 MBHCJ7	1.059	0.0	0.002		
NF	P4499-01 MBHC.T7	0.526	0.0	0.002		
11.25,2024	P4499-02 MBHCJ8	7 118	0.0	0.001 0.002		
10 20 2029	P4499-03 MBHCJ9		0.0	0.002		
	P4499-04 MBHCK0	2.613	0.0	0.003		
	P4499-05 MBHCK1	2.496	0.0	0.003		
	P4499-06 MBHCK2	1.589	0.0	0.002		
	P4499-07 MBHCK8	1.733	0.0	0.002		
	P4499-09 MBHCL0	0.051	0.0	0.001		
	P4499-10 MBHCL1	0.476	0.0	0.001		
	P4499-11 MBHCL2	0.606	0.0	0.001		
	P4499-12 MBHCY0	0.264	0.0	0.001		
	P4499-13 MBHCL8	0.268	0.0	0.001		
	P4499-14 MBHCL9	0.681	0.0	0.001		
	P4499-15 MBHCM0	0.410	0.0	0.001		
	P4499-16 MBHCM1	0.603	0.0	0.001		
	P4499-17 MBHCM2	0.280	0.0	0.001		
	P4499-18 MBHCM8	1.566	0.0	0.002		
	P4499-19 MBHCM9	2.447	0.0	0.003		
	P4499-20 MBHCN0	15.353	0.0	0.014		
	P4499-21 MBHCNOD	15.678	0.0	0.014		
	P4499-22 MBHCN0S P4499-08 MBHCK9	99.058		0.088		
	P4498-09 MBHDE9	0.728		0.001		
	CCV003 CCV003	0.121 255.865		0.001		
	CCB003 CCB003	0.526		0.227		
		0.520	0.0	0.001		

Reviewed By:Iwona On:10/30/2024 1:28:01 Inst Id :KONELAB

Test results

Aquakem 7.2AQ1

Page:

CHEMTECH CONSULTING GROUP INC

284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : NF Instrument ID : Konelab

10/25/2024 14:04

\_\_\_\_\_

Test: CNEPA-NEW

Sample Id Result Dil. 1 + Response  $\hat{O}\square_{"}$ 

N 54 Mean 20.380 SD 59.6957 CV% 292.92

Aquakem v. 7.2AQ1 Results from time period: Fri Oct 25 10:21:12 2024 Fri Oct 25 13:50:28 2024

000 20 10.00.20 20	/					
Sample Id	Sa	ım/( Test short na	me Test type	Result	Result unit	Result date and time
S0.0	Α	CNEPA-NEW	Р	0.1673	µg/l	10/25/2024 11:21:17
S5.0	Α	CNEPA-NEW	Р	4.976	µg/l	10/25/2024 11:21:18
S10.0	Α	CNEPA-NEW	Р	10.4804	µg/l	10/25/2024 11:21:19
S100.0	Α	CNEPA-NEW	Р	100.863	µg/l	10/25/2024 11:21:20
S250.0	Α	CNEPA-NEW	Р	247.3906	µg/l	10/25/2024 11:21:21
S500.0	Α	CNEPA-NEW	Р	501.1227	µg/l	10/25/2024 11:21:22
ICV001 ICV001	S	CNEPA-NEW	Р	96.8795	μg/l	10/25/2024 12:29:09
ICB001 ICB001	S	CNEPA-NEW	Р	0.4472	µg/l	10/25/2024 12:29:11
CCV001 CCV001	S	CNEPA-NEW	Р	247.1472	µg/l	10/25/2024 12:29:13
CCB001 CCB001	S	CNEPA-NEW	Р	0.262	µg/l	10/25/2024 12:29:15
PB164384BL PBS384	S	CNEPA-NEW	Р	0.1598	_	10/25/2024 12:29:17
P4498-01 MBHDD1	S	CNEPA-NEW	Р	-0.0498	-	10/25/2024 12:29:18
P4498-02 MBHDD2	S	CNEPA-NEW	Р	0.0159		10/25/2024 12:36:42
P4498-03 MBHDD8	S	CNEPA-NEW	Р	-0.0126	_	10/25/2024 12:36:43
P4498-04 MBHDD9	S	CNEPA-NEW	Р	0.272	_	10/25/2024 12:36:44
P4498-05 MBHDE0	S	CNEPA-NEW	Р	-0.1023 j		10/25/2024 12:36:45
P4498-06 MBHDE1	S	CNEPA-NEW	Р	0.4293	•	10/25/2024 12:36:46
P4498-07 MBHDE2	S	CNEPA-NEW	Р	0.5197 <sub>l</sub>	_	10/25/2024 12:36:48
P4498-08 MBHDE8	S	CNEPA-NEW	Р	2.0677 µ	_	10/25/2024 12:36:49
P4498-10 MBHDF0	S	CNEPA-NEW	Р	0.0554 <sub>L</sub>	_	10/25/2024 12:36:51
P4498-11 MBHDF0D	S	CNEPA-NEW	Р	-0.4425 µ	_	10/25/2024 12:36:52
P4498-12 MBHDF0S	S	CNEPA-NEW	Р	92.2264 µ	_	10/25/2024 12:44:18
P4498-13 MBHDF1	S	CNEPA-NEW	Р	0.5319 µ	_	10/25/2024 12:44:20
P4498-14 MBHDF2	S	CNEPA-NEW	P	0.7747 μ	_	10/25/2024 12:44:21
P4498-15 MBHCH8	S	CNEPA-NEW	Р	1.1874 µ	_	10/25/2024 12:44:22
P4498-16 MBHCH9	S	CNEPA-NEW	Р	-0.1153 μ		10/25/2024 12:44:23
P4498-17 MBHCJ0	S	CNEPA-NEW	Р	0.6662 μ		10/25/2024 12:44:24
P4498-18 MCHCJ1	S	CNEPA-NEW	Р	0.8739 μ		10/25/2024 12:44:25
P4498-19 MBHCJ2	S	CNEPA-NEW	Р	0.3745 μ	-	10/25/2024 12:44:26
P4498-20 MBHCJ3	S	CNEPA-NEW	Р	0.6986 μ	_	10/25/2024 12:44:27
P4498-21 MBHCJ5	S	CNEPA-NEW	Р	0.6903 µ	_	10/25/2024 12:44:28
P4498-22 MBHCJ6	S	CNEPA-NEW	Р	6.2798 µ	-	10/25/2024 12:51:50
CCV002 CCV002	S	CNEPA-NEW	Р	237.6251 µį		10/25/2024 12:51:51
CCB002 CCB002	S	CNEPA-NEW	Р	1.0587 µg	_	10/25/2024 12:51:52
PB164385BL PBS385	S	CNEPA-NEW	Р	1.1227 µg		10/25/2024 12:51:53
P4499-01 MBHCJ7	S	CNEPA-NEW	Р	0.5265 µg		10/25/2024 12:51:54
P4499-02 MBHCJ8	S	CNEPA-NEW	Р	1.1185 µg		10/25/2024 12:51:55
P4499-03 MBHCJ9	S	CNEPA-NEW	Р	3.7953 µg		10/25/2024 12:51:56
P4499-04 MBHCK0	S	CNEPA-NEW	Р	2.6125 µg	•	10/25/2024 12:51:57

P4499-05 MBHCK1	S	CNEPA-NEW	Р	2.4957 μg/l	10/25/2024 12:51:58
P4499-06 MBHCK2	S	CNEPA-NEW	Р	1.5894 µg/l	10/25/2024 12:51:59
P4499-07 MBHCK8	S	CNEPA-NEW	Р	1.7334 µg/l	10/25/2024 12:52:00
P4499-09 MBHCL0	S	CNEPA-NEW	Р	0.0509 µg/l	10/25/2024 12:58:50
P4499-10 MBHCL1	S	CNEPA-NEW	Р	0.4764 µg/l	10/25/2024 12:58:51
P4499-11 MBHCL2	S	CNEPA-NEW	Ρ	0.6065 µg/l	10/25/2024 12:58:52
P4499-12 MBHCY0	S	CNEPA-NEW	Р	0.2637 μg/l	10/25/2024 12:58:53
P4499-13 MBHCL8	S	CNEPA-NEW	Р	0.2685 μg/l	10/25/2024 12:58:54
P4499-14 MBHCL9	S	CNEPA-NEW	Р	0.6809 µg/l	10/25/2024 12:58:55
P4499-15 MBHCM0	S	CNEPA-NEW	Р	0.4103 µg/l	10/25/2024 13:15:45
P4499-16 MBHCM1	S	CNEPA-NEW	Ρ	0.603 μg/l	10/25/2024 13:15:46
P4499-17 MBHCM2	S	CNEPA-NEW	Р	0.2802 µg/l	10/25/2024 13:15:47
P4499-18 MBHCM8	S	CNEPA-NEW	Р	1.5664 µg/l	10/25/2024 13:15:48
P4499-19 MBHCM9	S	CNEPA-NEW	Р	2.4466 µg/l	10/25/2024 13:15:49
P4499-20 MBHCN0	S	CNEPA-NEW	Р	15.3533 μg/l	10/25/2024 13:15:50
P4499-21 MBHCN0D	S	CNEPA-NEW	Р	15.6775 μg/l	10/25/2024 13:15:51
P4499-22 MBHCN0S	S	CNEPA-NEW	P	99.0579 μg/l	10/25/2024 13:15:53
P4499-08 MBHCK9	S	CNEPA-NEW	Р	0.7276 μg/l	10/25/2024 13:15:54
P4498-09 MBHDE9	S	CNEPA-NEW	Р	0.1212 μg/l	10/25/2024 13:15:55
CCV003 CCV003	S	CNEPA-NEW	Р	255.8655 μg/l	10/25/2024 13:20:05
CCB003 CCB003	S	CNEPA-NEW	Р	0.5257 µg/l	10/25/2024 13:20:06

Calibration results

Aquakem 7.2AQ1

Page:

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

Reviewed by : NF Instrument ID : Konelab

10/25/2024 11:21

Test CNEPA-NEW

Accepted

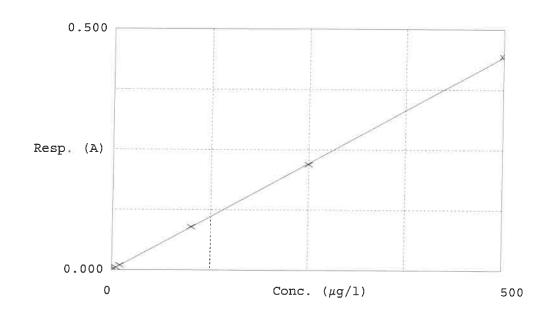
10/25/2024 11:21

Factor Slope -Bias Intercept -1131- 0.000884 0.001

NF 10.30.2024

Coeff. of det. 0.999954

Errors



	Calibrator	Response	Calc. con.	Conc.	<b>Rc</b> Errors	
1	0.0PPBCN SO.O	0.001	0.1673	0.0000	<del>0-</del>	
2	5.0PPBCN 55.0	0.005	4.9760	5.0000	-0.5	_
3	10PPBCN Sla.o	0.010	10.4804	10.0000	4.8	NF
4	100PPBCN SIOO.O		100.8630	100.0000	0.9	1 **
5	و و25 عـ 250 PPBCN و و250		247.3906	250.0000		10.00
6	500PPBCN_S500.0	0.444	501.1227	500.0000	0.2	10.25.2024



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

8900, Fax: 908 789 8922

# **Prep Standard - Chemical Standard Summary**

Order ID :	P4499
Test :	Cyanide

Prepbatch ID: PB164385,

Sequence ID/Qc Batch ID: LB133132,
Standard ID: WP108640,WP108688,WP109089,WP110035,WP110103,WP110389,WP110390,WP110391,WP110392,WP110393,W P110394,WP110395,WP110396,WP110397,WP110398,WP110399,WP110434,
Chemical ID :
E3657,M5673,M5951,W2668,W2882,W3001,W3011,W3019,W3112,W3113,W3139,W3142,



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
11	Sodium hydroxide absorbing solution 0.25 N	<u>WP108640</u>	07/05/2024	01/05/2025	Rubina Mughal	CALE_4 (WC	None	07/08/2024
	04.000001 51810440 - 040.00000	. = = -	F: 10	04 000 1		SC-4)		

**FROM** 21.00000L of W3112 + 210.00000gram of E3657 = Final Quantity: 21.000 L

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
1581	Sodium hydroxide solution, 1.25N	WP108688	07/11/2024	01/11/2025	Niha Farheen	WETCHEM_S	None	
					Shaik	CALE_5 (WC		07/11/2024

**FROM** 50.00000gram of W3113 + 950.00000ml of W3112 = Final Quantity: 1000.000 ml



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
2816	CN-EPA Pyridine-Burbituric Acid solution	<u>WP109089</u>	08/07/2024	12/27/2024	Rubina Mughal	WETCHEM_S CALE 5 (WC	None	08/07/2024
	45.00000 mm of M/2002 + 45.00000	mal of MCOC	1 . 75 00000-	ml =f\\\/2040 \	005 00000ml of	SC-5)	O	

FROM 15.00000gram of W2882 + 15.00000ml of M5951 + 75.00000ml of W3019 + 895.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipettelD</u>	Supervised By Iwona Zarych
3850	Cyanide MS-MSD spiking solution, 5PPM	<u>WP110035</u>	10/03/2024	11/30/2024	Rubina Mughal	None	WETCHEM_F IPETTE_3 (WC)	,

FROM 1.00000ml of W3142 + 199.00000ml of WP108640 = Final Quantity: 200.000 ml



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	WP110103	10/08/2024	04/08/2025	Rubina Mughal	WETCHEM_S	None	-		
						CALE_5 (WC		10/08/2024		
50014	SC-5)									

<b>FROM</b> 138.00000gram of W	668 + 862.00000ml of W3112 = Final Quantity: 1000.000 ml
--------------------------------	--

Recipe ID	<u>NAME</u>	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
1585	Cyanide Intermediate standard solution, 10PPM	<u>WP110389</u>	10/24/2024	10/25/2024	Niha Farheen Shaik	None	WETCHEM_F IPETTE_3 (WC)	10/24/2024

FROM 1.00000ml of W3142 + 79.00000ml of W3112 + 20.00000ml of WP108688 = Final Quantity: 100.000 ml



Alliance 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			
3214	Magnesium Chloride For Cyanide 2.5M(51%W/V)	WP110390	10/24/2024	04/24/2025	Niha Farheen Shaik	WETCHEM_S CALE_5 (WC		10/24/2024			
	SC-5)										

FROM 500.00000ml of W3112 + 510.00000gram of W3001 = 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
1714	Sulfuric Acid, 50% (v/v)	<u>WP110391</u>	10/24/2024	04/24/2025	Niha Farheen Shaik	None	None	10/24/2024

FROM 1000.0000ml of M5673 + 1000.0000ml of W3112 = Final Quantity: 2000.000 ml



Fax: 908 789 8922

## Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	<u>Prepared</u> <u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Iwona Zarych
1586	Cyanide Cal Std, 500 PPB	WP110392	10/24/2024	10/25/2024	Niha Farheen Shaik	None	None	10/25/2024

FROM	5.00000ml of WP110389 + 95.00000ml of WP108640 = Final Quantity: 0.100 L
------	--

Recipe				Expiration	<u>Prepared</u>			Supervised By
<u>ID</u>	NAME	<u>NO.</u>	Prep Date		<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	lwona Zarych
1587	Cyanide Cal Std, 250 PPB	WP110393	10/24/2024	10/25/2024	Niha Farheen Shaik	None	None	10/25/2024

**FROM** 2.50000ml of WP110389 + 97.50000ml of WP108640 = Final Quantity: 0.100 L



Alliance TECHNICAL GROUP

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
1588	Cyanide Cal Std, 100 PPB	WP110394	10/24/2024	10/25/2024	Niha Farheen	None	None	,
					Shaik			10/25/2024

<b>FROM</b>	1.00000ml of WP110389 + 99.00000ml of WP108640	= Final Quantity: 0.100 L
-------------	--	---------------------------

Recipe				<b>Expiration</b>	<u>Prepared</u>			Supervised By
<u>ID</u>	<u>NAME</u>	NO.	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	lwona Zarych
1589	Cyanide Cal Std, 10 PPB	WP110395	10/24/2024	10/25/2024	Niha Farheen	None	None	•
					Shaik			10/25/2024

**FROM** 4.00000ml of WP110393 + 96.00000ml of WP108640 = Final Quantity: 0.100 L





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>PipettelD</u>	Supervised By Iwona Zarych
1590	Cyanide Cal Std, 5 PPB	<u>WP110396</u>	10/24/2024	10/25/2024	Niha Farheen Shaik	None	None	10/25/2024

<b>FROM</b>	2.00000ml of WP110393 + 98.00000ml of WP108640 = Final Quantity: 0.100 L
-------------	--

Recipe				Expiration	Prepared			Supervised By
<u>ID</u> 1591	NAME Cyanide blank std, 0 PPB	NO. WP110397	Prep Date 10/24/2024		By Niha Farheen	<u>ScaleID</u> None	PipetteID None	Iwona Zarych
1001	Gyannae Blank Sta, 6 1 1 B	W1 110001	10/24/2024	10/20/2024	Shaik	None	TVOILE	10/25/2024

**FROM** 100.00000ml of WP108640 = Final Quantity: 0.100 L



Alliance 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
1763	Cyanide ICV Std	<u>WP110398</u>	10/24/2024	10/25/2024	Niha Farheen Shaik	None	WETCHEM_F IPETTE_3	10/25/2024
	0.50000=1.51\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	f \\\\D40004	O - Final Ove		-l		(WC)	

<b>FROM</b> 0.50000ml of W3011 + 49.50000ml of WP108640 = Final Quantity: 50.	.000 1	Ш

Recipe				<b>Expiration</b>	<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>	lwona Zarych
1592	Cyanide CCV Std, 250 PPB	WP110399	10/24/2024	10/25/2024	Niha Farheen Shaik	None	None	10/25/2024

**FROM** 2.50000ml of WP110389 + 97.50000ml of WP108640 = Final Quantity: 0.100 L





Fax: 908 789 8922

## Wet Chemistry STANDARD PREPARATION LOG

			10/25/2024	10/26/2024	Niha Farheen Shaik	None	WETCHEM_P IPETTE_3	lwona Zarych 10/25/2024
<u>FROM</u>	0.08000gram of W3139 + 20.00000m	of W3112	= Final Quan	ntity: 20.000 m			<del>' (WC) '</del>	



## **CHEMICAL RECEIPT LOG BOOK**

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657
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	09/21/2023 / mohan	09/05/2023 / mohan	M5673
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)	22G2862015	12/27/2024	07/04/2024 / Jaswal	06/23/2024 / Al-Terek	M5951
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
	7100, 2.0110					
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Supplier PCI Scientific Supply, Inc.		Lot #	-	-		
PCI Scientific	ItemCode / ItemName EM-BX0035-3 / Barbituric		Date	Opened By 12/07/2021 /	11/30/2021 /	Lot #



## **CHEMICAL RECEIPT LOG BOOK**

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	/ ICV-CN	ICV6-400	12/31/2024	01/03/2024 / Iwona	02/20/2020 / Iwona	W3011
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
SIGMA ALDRICH	270970-1L / Pyridine 1L	SHBQ2113	04/03/2028	04/03/2023 / Iwona	04/03/2023 / Iwona	W3019
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.	JTE494-6 / CHLORAMINE-T BAKER 250GM	10239484	09/09/2029	09/09/2024 / Iwona	09/09/2024 / Iwona	W3139
	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Supplier						

# Chem-Impex International, Inc. 06/06/27

Tel: (630) 766-2112

E-mail: sales@chemimpex.com Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

## Certificate of Analysis

Catalogue Number

01237

Product

Magnesium chloride hexahydrate

Lot Number

002251-03319

Magnesium chloride•6H2O

CAS Number

7791-18-6

Molecular Formula

MgCl<sub>2</sub>•6H<sub>2</sub>O

Molecular Weight

203.3

Appearance

Colorless crystals, very deliquescent

**Heavy Metals** 

< 5 ppm

Anion

Nitrate: < 0.001% Phosphate : < 5 ppm Sulfate: < 0.002%

Cation

Ammonium: < 0.002% Barium : < 0.005% Calcium: 0.0006% Iron: < 5 ppm Manganese: 1.8 ppm Potassium: 0.0006% Sodium: 0.0008% Strontium: 0.0015%

Insoluble material

0.0025%

Assay by titration

100.29%

Grade

ACS reagent

Storage

Store at RT

Country of Origin

India

Catalog Number: 01237

Lot Number: 002251-03319

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** 

# 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.





## **Sodium Hydroxide (Pellets)**

Material:

0583

Grade:

**ACS GRADE** 

**Batch Number:** 

23B1556310

Chemical Formula:

NaOH

Molecular Weight: CAS#:

Appearance:

1310-73-2

Storage:

Manufacture Date:

**Expiration Date:** 

Room Temperature

12/14/2022

12/31/2025

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

Internal ID#: 710

#### Signature

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

#### Additional Information

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

Product meets analytical specifications of the grades listed.



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

Instructions for QATS Reference Material: Inorganic ICV Solutions

#### **QATS LABORATORY INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS** (ICV1, ICV5, AND ICV6)

**NOTE:** These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

**CAUTION:** Read instructions carefully before opening bottle(s) and proceeding with

the analyses.

Contains Metals in Dilute Acidic or Cyanide in Basic Aqueous Solutions **HAZARDOUS MATERIAL** 

> Safety Data Sheets Available Upon Request

W2160, W2161, W2162, W2163, W2164 Receive by AP on 9/2/2016

#### (A) SAMPLE DESCRIPTION

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.

#### (B) BREAKAGE OR MISSING ITEMS

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

> QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY **APTIM Federal Services, LLC** 2700 Chandler Avenue - Building C Las Vegas, NV 89120

#### (C) ANALYSIS OF SAMPLES

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

ICV1-1014 For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1

concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

Page 1 of 2





RMs ICV 1, 5, 6 SFAM.docx



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

#### Instructions for QATS Reference Material: Inorganic ICV Solutions

ICV1-1014

<u>For ICP-MS analysis</u>, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415

For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 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) K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> and 5% (v/v) nitric acid.

ICV6-0400

For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 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 K<sub>3</sub>Fe(CN)<sub>6</sub>, 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.

#### (D) 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)	
Al	2500	500	
Sb	1000	200	
As	1000	200	
Ва	520	100	
Be	510	100	
Cd	510	100	
Ca	10000	2000	
Cr	520	100	
Со	520	100	
Cu	510	100	
Fe	10000	2000	
Pb	1000	200	
Mg	6000	1200	
Mn	520	100	
Ni	530	110	
K	9900	2000	
Se	1000	200	
Ag	250	50	
Na	10000	2000	
TI	1000	210	
V	500	100	
Zn	1000	200	

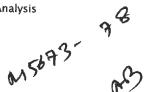
ICV5-0415		ICV6-0400	
Element Concentration (µg/L) (after 100-fold dilution)		Analyte	Concentration (µg/L) (after 100-fold dilution)
Hg	4.0	CN <sup>-</sup>	99

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 (H <sub>2</sub> SO <sub>4</sub> )	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 <sub>4</sub> )	≤ 1 ppm	1 ppm	
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm	
Nitrate (NO <sub>3</sub> )	≤ 0.2 ppm	< 0.1 ppm	
Phosphate (PO <sub>4</sub> )	≤ 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







MS947 MS948 MS949 MS950 MS951 MS952

Material No.: 9530-33 Batch No.: 22G2862015 Manufactured Date: 2022-06-15 Retest Date: 2027-06-14

Revision No.: 0

## Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	
ACS - Color (APHA)	≤ 10	37.9 %
ACS – Residue after Ignition	≤ 3 ppm	5
ACS - Specific Gravity at 60°/60°F	1.185 – 1.192	< 1 ppm
ACS - Bromide (Br)	≤ 0.005 %	1.191
ACS – Extractable Organic Substances	≤ 5 ppm	< 0.005 %
ACS - Free Chlorine (as Cl2)	≤ 0.5 ppm	< 1 ppm
Phosphate (PO <sub>4</sub> )	≤ 0.05 ppm	< 0.5 ppm
Sulfate (SO <sub>4</sub> )	≤ 0.5 ppm	< 0.03 ppm
Sulfite (SO <sub>3</sub> )	≤ 0.8 ppm	< 0.3 ppm
Ammonium (NH <sub>4</sub> )	≤ 3 ppm	0.3 ppm
Trace Impurities - Arsenic (As)	⊴ 3 ppm ≤ 0.010 ppm	< 1 ppm
Trace Impurities – Aluminum (AI)	≤ 10.0 ppb	< 0.003 ppm
Arsenic and Antimony (as As)	≤ 5.0 ppb	1.3 ppb
Trace Impurities - Barium (Ba)	≤ 1.0 ppb	< 3.0 ppb
Trace Impurities - Beryllium (Be)	• •	0.2 ppb
Trace Impurities - Bismuth (Bi)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Calcium (Ca)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities - Chromium (Cr)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities - Gallium (Ga)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Germanium (Ge)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Gold (Au)	≤ 3.0 ppb	< 2.0 ppb
Heavy Metals (as Pb)	≤ 4.0 ppb	0.6 ppb
Trace Impurities – Iron (Fe)	≤ 100 ppb	< 50 ppb
rrace imparities – iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>





Material No.: 9530-33 Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities ~ Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities - Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities - Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities - Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities - Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities - Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities - Thallium (TI)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities - Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities - Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

Hydrochloric Acid, 36.5-38.0% BAKER INSTRA-ANALYZED® Reagent For Trace Metal Analysis





Material No.: 9530-33 Batch No.: 22G2862015

Test

Specification

Result

For Laboratory, Research, or Manufacturing Use Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications Storage Condition: Store below 25 °C.

Country of Origin: USA 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 <sub>4</sub> )	<= 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.



### 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.

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: 1405J81 Product Number: 2543

Manufacture Date: MAY 20, 2024

Expiration Date: NOV 2024

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	

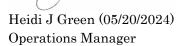
Specification	Reference
Stock Standard Cyanide Solution	APHA (4500-CN- F)
Stock Cyanide Solution	APHA (4500-CN- E)
Stock Cyanide Solution	APHA (4500-CN- K)
Stock Cyanide Solution	APHA (4500-CN- H)
Cyanide Reference Solution (1000 mg/L)	EPA (SW-846) (7.3.3.2)
Cyanide Calibration Stock Solution (1,000 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
2543-4	120 mL amber poly	6 months

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

Version: 1.3 Lot Number: 1405J81 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: 1405J81 Product Number: 2543 Page 2 of 2



SOP ID:	MSFAM01.1-Cyanide-2								
SDG No:	МВНСЈ7			Start Digest Date:	10/24/2024	Time :	10:20	Temp :	123 °C
Matrix :	SOLID			End Digest Date:	10/24/2024	Time :	11:50	— Temp :	126 °C
Pippete ID :	wc			Ibatch	10/24/2024		14:10		124/
Balance ID :	WC SC-4			I batch	10/24/2024		16:00	<b>)</b>	126
Hood ID:	HOOD#1	Digestion tube ID:	M5595		/0/フィ/202 Block Therm	y ometei	7:30 ا ID: ۷		127
Block ID :	MC-1, MC-2	Filter paper ID:	N/A		Prep Technician	Signa	ture:	18	
Weigh By :	JP	pH Meter ID :	N/A		Supervisor	· Signat	ture	12	

Standared Name	MLS USED	STD REF. # FROM LOG	
PBS003	50.0ML	W3112	
MATRIX SPIKE SOLUTION	1.0ML	WP110035	
N/A	N/A	N/A	
N/A	N/A	N/A	
N/A	N/A	N/A	

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP108640
50% v/v H2SO4	5.0ML	WP110391
51% w/v MgCL2	2.0ML	WP110390
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment	
S0	S0	N/A	WP110397	J. batch
S5.0	S5.0	N/A	WP110396	1)
S10.0	S10.0	N/A	WP110395	49
5100.0	S100.0	N/A	WP110394	e/
S250.0	S250.0	N/A	WP110393	
S500.0	S500.0	N/A	WP110392	
ICV	ICV	N/A	WP110398	3
ICB	ICB	N/A	WP108640	
ccv	ccv	N/A	WP110399	
ССВ	ССВ	N/A	WP108640	'n
Midrange	Midrange	N/A	N/A	
HIGHSTD	HIGHSTD	N/A	N/A	
LOWSTD	LOWSTD	N/A	N/A	

## **Extraction Conformance/Non-Conformance Comments:**

MIDI-DISTILATION\_SOIL; I-ST BATCH MC-2 START TEMP:123 C; MC-2 END TEMP: 127 C; II-ND BATCH MC-2 START TEMP:124 C; MC-2 END TEMP: 128 C; Block Therm.ID: WC-CYANIDE-2

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10-24-2024. 17.45	JO /WC	NFlwe)
	Preparation Group	Analysis Group



Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol	рН	Sulfide	Oxidizing	Nitrate/ Nitrite		Comment	Pre
P4499-01	мвнс)7	1.02	50	N/A	N/A	N/A	N/A	N/A 5	i batch	N/A
P4499-02	мвнс)8	1.04	50	N/A	N/A	N/A	N/A	N/A	И	N/A
P4499-03	мвнсј9	1.02	50	N/A	N/A	N/A	N/A	N/A	1.	N/A
P4499-04	мвнско	1.01	50	N/A	N/A	N/A	N/A	N/A	h	N/A
P4499-05	мвнск1	1.01	50	N/A	N/A	N/A	N/A	N/A	12	N/A
P4499-06	MBHCK2	1.06	50	N/A	N/A	N/A	N/A	N/A	h	N/A
P4499-07	мвнск8	1.03	50	N/A	N/A	N/A	N/A	N/A	N <sub>1</sub>	N/A
P4499-08	мвнск9	1.02	50	N/A	N/A	N/A	N/A	N/A	(.	N/A
24499-09	MBHCL0	1.04	50	N/A	N/A	N/A	N/A	N/A	ų	N/A
P4499-10	MBHCL1	1.07	50	N/A	N/A	N/A	N/A	N/A	h	N/A
4499-11	MBHCL2	1.02	50	N/A	N/A	N/A	N/A	N/A	t,	N/A
4499-12	мвнсуо	1.03	50	N/A	N/A	N/A	N/A	N/A	ŧı	N/A
4499-13	MBHCL8	1.05	50	N/A	N/A	N/A	N/A	N/A	n	N/A
4499-14	MBHCL9	1.08	50	N/A	N/A	N/A	N/A	N/A	h	N/A
4499-15	МВНСМО	1.04	50	N/A	N/A	N/A	N/A	N/A	()	N/A
1499-16	МВНСМ1	1.05	50	N/A	N/A	N/A	N/A	N/A	n	N/A
1499-17	МВНСМ2	1.06	50	N/A	N/A	N/A	N/A	N/A	4	N/A
1499-18	мвнсмв	1.02	50	N/A	N/A	N/A	N/A	N/A III	botel	N/A
499-19	МВНСМ9	1.04	50	N/A	N/A	N/A		N/A	l)	N/A
499-20	MBHCN0	1.03	50	N/A	N/A	N/A	N/A	N/A	4	N/A
499-21	MBHCN0D	1.05	50	N/A	N/A	N/A	N/A	N/A	ų	N/A
499-22	MBHCN0S	1.02	50	N/A	N/A	N/A	N/A	N/A	4	N/A
164385BL	PBS385	1.00	50 I	V/A	N/A	N/A I	N/A I	V/A IL bo	toh	N/A



**Instrument ID:** 

**KONELAB** 

Review By	Niha Farheen Shaik	Review On	10/30/2024 9:51:45 AM
Supervise By	lwona Zarych	Supervise On	10/30/2024 1:28:01 PM
STD. NAME	STD REF.#		
ICAL Standard	WP110397,WP110396,	WP110395,WP110394,WP1	110393,WP110392
ICV Standard	WP110398		
CCV Standard	WP110399		
ICSA Standard			
CRI Standard			
LCS Standard			
Chk Standard	WP110103,WP109089,	WP110434	

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0.0	S0	CAL1	10/25/24 11:21		Niha	ок
2	S5.0	S01	CAL2	10/25/24 11:21		Niha	ОК
3	S10.0	S02	CAL3	10/25/24 11:21		Niha	ОК
4	S100.0	S03	CAL4	10/25/24 11:21		Niha	ОК
5	S250.0	S04	CAL5	10/25/24 11:21		Niha	ОК
6	S500.0	S05	CAL6	10/25/24 11:21		Niha	ОК
7	ICV001	ICV001	ICV	10/25/24 12:29		Niha	ОК
8	ICB001	ICB001	ICB	10/25/24 12:29		Niha	ОК
9	CCV001	CCV001	CCV	10/25/24 12:29		Niha	ОК
10	CCB001	CCB001	ССВ	10/25/24 12:29		Niha	ОК
11	PB164384BL	PBS384	МВ	10/25/24 12:29		Niha	ОК
12	P4498-01	MBHDD1	SAM	10/25/24 12:29		Niha	ОК
13	P4498-02	MBHDD2	SAM	10/25/24 12:36		Niha	ОК
14	P4498-03	MBHDD8	SAM	10/25/24 12:36		Niha	ОК
15	P4498-04	MBHDD9	SAM	10/25/24 12:36		Niha	ОК
16	P4498-05	MBHDE0	SAM	10/25/24 12:36		Niha	ОК
17	P4498-06	MBHDE1	SAM	10/25/24 12:36		Niha	ОК
18	P4498-07	MBHDE2	SAM	10/25/24 12:36		Niha	ОК



Fax: 908 789 8922

**Instrument ID:** KONELAB

Review By	Niha	Farheen Shaik	Review On		10/30/2024 9:51:45 AM
Supervise By Iwona Zarych		Supervise On	e On 10/30/2024 1:28:01 PM		
STD. NAME STD REF.#					
ICAL Standard WP110397,WP110396,WP110395,WP110394,WP110393,WP			VP110395,WP110394,WP1	10393,WP110	0392
ICV Standard	WP110398				
CCV Standard WP110399					
ICSA Standard					
CRI Standard					
LCS Standard	1				
Chk Standard WP110103,WP109089,WP110434			VP110434		

19	P4498-08	MBHDE8	SAM	10/25/24 12:36	Niha	OK
20	P4498-10	MBHDF0	SAM	10/25/24 12:36	Niha	ОК
21	P4498-11	MBHDF0D	DUP	10/25/24 12:36	Niha	ОК
22	P4498-12	MBHDF0S	MS	10/25/24 12:44	Niha	ок
23	P4498-13	MBHDF1	SAM	10/25/24 12:44	Niha	ОК
24	P4498-14	MBHDF2	SAM	10/25/24 12:44	Niha	ОК
25	P4498-15	МВНСН8	SAM	10/25/24 12:44	Niha	ОК
26	P4498-16	МВНСН9	SAM	10/25/24 12:44	Niha	ОК
27	P4498-17	мвнсјо	SAM	10/25/24 12:44	Niha	ок
28	P4498-18	МВНСЈ1	SAM	10/25/24 12:44	Niha	ок
29	P4498-19	MBHCJ2	SAM	10/25/24 12:44	Niha	ОК
30	P4498-20	МВНСЈ3	SAM	10/25/24 12:44	Niha	ок
31	P4498-21	МВНСЈ5	SAM	10/25/24 12:44	Niha	ОК
32	P4498-22	мвнсј6	SAM	10/25/24 12:51	Niha	ОК
33	CCV002	CCV002	CCV	10/25/24 12:51	Niha	ОК
34	CCB002	CCB002	ССВ	10/25/24 12:51	Niha	ОК
35	PB164385BL	PBS385	МВ	10/25/24 12:51	Niha	ок
36	P4499-01	МВНСЈ7	SAM	10/25/24 12:51	Niha	ок
37	P4499-02	МВНСЈ8	SAM	10/25/24 12:51	Niha	ок
38	P4499-03	МВНСЈ9	SAM	10/25/24 12:51	Niha	ок



Fax: 908 789 8922

**Instrument ID:** KONELAB

Review By	Niha	Farheen Shaik	Review On		10/30/2024 9:51:45 AM
Supervise By Iwona Zarych		Supervise On	e On 10/30/2024 1:28:01 PM		
STD. NAME STD REF.#					
ICAL Standard WP110397,WP110396,WP110395,WP110394,WP110393,WP			VP110395,WP110394,WP1	10393,WP110	0392
ICV Standard	WP110398				
CCV Standard WP110399					
ICSA Standard					
CRI Standard					
LCS Standard	1				
Chk Standard WP110103,WP109089,WP110434			VP110434		

			1		1	i
39	P4499-04	MBHCK0	SAM	10/25/24 12:51	Niha	OK
40	P4499-05	MBHCK1	SAM	10/25/24 12:51	Niha	ОК
41	P4499-06	MBHCK2	SAM	10/25/24 12:51	Niha	ОК
42	P4499-07	мвнск8	SAM	10/25/24 12:52	Niha	ок
43	P4499-09	MBHCL0	SAM	10/25/24 12:58	Niha	ОК
44	P4499-10	MBHCL1	SAM	10/25/24 12:58	Niha	ОК
45	P4499-11	MBHCL2	SAM	10/25/24 12:58	Niha	ОК
46	P4499-12	МВНСҮ0	SAM	10/25/24 12:58	Niha	ОК
47	P4499-13	MBHCL8	SAM	10/25/24 12:58	Niha	ОК
48	P4499-14	MBHCL9	SAM	10/25/24 12:58	Niha	ОК
49	P4499-15	мвнсмо	SAM	10/25/24 13:15	Niha	ОК
50	P4499-16	МВНСМ1	SAM	10/25/24 13:15	Niha	ОК
51	P4499-17	МВНСМ2	SAM	10/25/24 13:15	Niha	ОК
52	P4499-18	МВНСМ8	SAM	10/25/24 13:15	Niha	ОК
53	P4499-19	МВНСМ9	SAM	10/25/24 13:15	Niha	ОК
54	P4499-20	MBHCN0	SAM	10/25/24 13:15	Niha	ОК
55	P4499-21	MBHCN0D	DUP	10/25/24 13:15	Niha	ОК
56	P4499-22	MBHCN0S	MS	10/25/24 13:15	Niha	ОК
57	P4499-08	МВНСК9	SAM	10/25/24 13:15	Niha	ОК
58	P4498-09	MBHDE9	SAM	10/25/24 13:15	Niha	ОК
	l	<u> </u>	<u> </u>	<u> </u>	L	1





Fax: 908 789 8922

**Instrument ID:** KONELAB

Review By	Niha Farheen Shaik	Review On	10/30/2024 9:51:45 AM
Supervise By Iwona Zarych		Supervise On	10/30/2024 1:28:01 PM
STD. NAME STD REF.#			
ICAL Standard WP110397,WP110396,WP110395,WP110394,WP110393,WP1			0393,WP110392
ICV Standard	WP110398		
CCV Standard WP110399			
ICSA Standard			
CRI Standard			
LCS Standard			
Chk Standard	WP110103,WP109089,	WP110434	

59	CCV003	CCV003	CCV	10/25/24 13:20	Niha	ок	
60	CCB003	CCB003	ССВ	10/25/24 13:20	Niha	ок	