

Prep Standard - Chemical Standard Summary

Test : Turbidity Prepbatch ID : LB133055,	
Sequence ID/Qc Batch ID: LB133055,	
Standard ID : WP110337,WP110338,WP110339,WP110340,WP110341,WP110342,WP110343,WP110344,WP110346,WP110347,WP 110348,	
Chemical ID :	
W3078,W3081,W3112,W3116,	



Recipe ID 1167	NAME hydrazine sulfate solution 1	<u>NO.</u> WP110337	Prep Date 10/21/2024		Prepared By Iwona Zarych	CALE_5 (WC	<u>PipetteID</u> None	Supervised By Jignesh Parikh 10/22/2024
FROM	1.00000gram of W3078 + 99.00000n	nl of W3112	= Final Quan	tity: 100.000 n	nl	SC-5)		

NAME	<u>NO.</u>	Prep Date	Expiration Date	<u>Prepared</u> <u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u> Jignesh Parikh
HEXAMETHYLENETETRAMINE SOLUTION 1	<u>WP110338</u>	10/21/2024	11/21/2024	Iwona Zarych	WETCHEM_S CALE_5 (WC	None	10/22/2024
10.00000gram of W3081 + 90.00000	ml of W3112	2 = Final Qua	intity: 100.000	ml	SC-5)		
	HEXAMETHYLENETETRAMINE SOLUTION 1	HEXAMETHYLENETETRAMINE WP110338 SOLUTION 1	HEXAMETHYLENETETRAMINE WP110338 10/21/2024 SOLUTION 1	NAMENO.Prep DateDateHEXAMETHYLENETETRAMINEWP11033810/21/202411/21/2024SOLUTION 1InvertigationInvertigationInvertigation	NAME NO. Prep Date Date By HEXAMETHYLENETETRAMINE WP110338 10/21/2024 11/21/2024 Iwona Zarych	NAMENO.Prep DateDateByScaleIDHEXAMETHYLENETETRAMINEWP11033810/21/202411/21/2024Iwona ZarychWETCHEM_S CALE_5 (WCSOLUTION 1Solution 1Solution 1Solution 2Solution 2Solution 2	NAMENO.Prep DateDateByScaleIDPipetteIDHEXAMETHYLENETETRAMINE SOLUTION 1WP11033810/21/202411/21/2024Iwona ZarychWETCHEM_S CALE_5 (WCNone



<u>Recipe</u> <u>ID</u> 1102	NAME Formazin turbidity 400 NTU suspension	<u>NO.</u> WP110339	Prep Date 10/21/2024	Expiration Date 11/21/2024	Prepared By Iwona Zarych	<u>ScaleID</u> None	<mark>PipetteID</mark> Glass Pipette-A	Supervised By Jignesh Parikh 10/22/2024
<u>FROM</u>	90.00000ml of W3112 + 5.00000ml o	I f WP110337	ı 7 + 5.00000ml	l of WP110338	= Final Quantit	y: 100.000 ml		

<u>Recipe</u> <u>ID</u> 3718	NAME Turbidity Calibration std, 40NTU	<u>NO.</u> WP110340	Prep Date 10/22/2024		<u>Prepared</u> <u>By</u> Iwona Zarych	<u>ScaleID</u> None	<mark>PipetteID</mark> Glass Pipette-A	Supervised By Jignesh Parikh 10/22/2024
FROM	90.00000ml of W3112 + 10.00000ml	l of WP11033	l 39 = Final Qu	l antity: 100.000	ml			10/22/2024



Recipe ID 3714	NAME	<u>NO.</u> WP110341	Prep Date 10/22/2024		Prepared By Iwona Zarych	<u>ScaleID</u> None	PipetteID Glass Pipette-A	Supervised By Jignesh Parikh 10/22/2024
FROM	95.00000ml of W3112 + 5.00000ml o	f WP110339	9 = Final Qua	ntity: 100.000	ml			

<u>Recipe</u>				Expiration	Prepared			Supervised By
<u>ID</u>	NAME	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	PipetteID	Jignesh Parikh
3807	Turbidity Calibration - CCV std, 10 NTU	<u>WP110342</u>	10/22/2024	10/23/2024	lwona Zarych	None	Glass Pipette-A	10/22/2024
<u>FROM</u>	97.50000ml of W3112 + 2.50000ml o	f WP110339) = Final Qua	ntity: 100.000	ml			



Recipe ID 3722	NAME	<u>NO.</u> WP110343	Prep Date 10/22/2024	Expiration Date 10/23/2024	Prepared By Iwona Zarych	<u>ScaleID</u> None	PipetteID Glass Pipette-A	Supervised By Jignesh Parikh 10/22/2024
FROM	87.50000ml of W3112 + 12.50000ml	of WP11034	40 = Final Qu	antity: 100.000) ml			

<u>Recipe</u> <u>ID</u>	NAME	<u>NO.</u>	<u>Prep Date</u>	Expiration Date	<u>Prepared</u> <u>By</u>	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By
								Jignesh Parikh
3720	Turbidity Calibration std, 1NTU	<u>VVP110344</u>	10/22/2024	10/23/2024	lwona Zarych	None	Glass Pipette-A	10/22/2024
FROM	97.50000ml of W3112 + 2.50000ml o	f WP110340) = Final Qua	ntity: 100.000	ml			



Recipe ID 3713	NAME Turbidity Calibration std, 0NTU	<u>NO.</u> WP110346	Prep Date 10/22/2024	Expiration Date 10/23/2024	Prepared By Iwona Zarych	<u>ScaleID</u> None	PipetteID None	Supervised By Jignesh Parikh 10/22/2024
<u>FROM</u>	100.00000ml of W3112 = Final Qua	ntity: 100.00	0 ml					

<u>Recipe</u>				Expiration	Prepared			Supervised By
ID	NAME	<u>NO.</u>	Prep Date	<u>Date</u>	<u>By</u>	<u>ScaleID</u>	PipettelD	Jignesh Parikh
3739	Turbidity LOQ std, 1.0NTU	<u>WP110347</u>	10/22/2024	10/23/2024	lwona Zarych	None	WETCHEM_P	-
							IPETTE_3 (WC)	10/22/2024
FROM	10.00000ml of W3116 + 90.00000ml	of W3112 =	Final Quanti	ty: 100.000 ml			(000)	



Recipe ID 1998	NAME TURBIDITY LOD STD, 0.5NTU	<u>NO.</u> WP110348	Prep Date 10/22/2024	Expiration Date 10/23/2024	Prepared By Iwona Zarych	<u>ScaleID</u> None	PipettelD WETCHEM_P IPETTE_3	Supervised By Jignesh Parikh 10/22/2024
FROM	5.00000ml of W3116 + 95.00000ml c	f W3112 =	Final Quantity	: 100.000 ml			(WC)	



CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J2177-1 / Hydrazine sulfate, 500 gms	BCCK9980	10/13/2028	01/26/2024 / Iwona	01/26/2024 / Iwona	W3078
Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AA36462-36 / hexamethylenetetramine	M02K021	01/02/2027	02/26/2024 / Iwona	02/26/2024 / Iwona	W3081
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 #
HACH	2659949 / 10 NTU Standard 500 ml	A4151	05/30/2026	07/12/2024 / Iwona	07/12/2024 / Iwona	W3116

W 3078 Lec. on 1/26/24 by 12

H₂SO₄

Sigma-Aldrich

3050 Spruce Street, Saint Louis, MO 63103, USA Website: www.sigmaaldrich.com Email USA: techserv@sial.com Outside USA: eurtechserv@sial.com

Certificate of Analysis

Hydrazine sulfate salt - ACS reagent, ≥99.0%

Product Name:

Product Number:	216046	NH ₂ NH ₂
Batch Number:	BCCK9980	
Brand:	SIAL	
CAS Number:	10034-93-2	
Formula:	H4N2 · H2SO4	
Formula Weight:	130,12 g/mol	
Quality Release Date:	13 OCT 2023	

	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals or Chunk(s)	Crystals
Redox Titration	> 99.0 %	99.4 %
With lodine	-	
Residue on Ignition	<u><</u> 0.05 %	0.01 %
Infrared Spectrum	Conforms to Structure	Conforms
Meets ACS Requirements	Corresponds to Requirements	Corresponds
ACS Specifications Heavy Metals < = 0.002 % (as Pb),	Corresponds to Requirements	Corresponds
Insoluble Matter < = 0.005 % (C= 6.67%, H2O)		
ron (Fe)	<u><</u> 10 mg/kg	< 10 mg/kg
Chloride (CI)	< 50 mg/kg	< 50 mg/kg

Dr.Reinhold Schwenninger Quality Assurance Buchs,Switzerland CH

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



W3081 Recieved on 02/26/2024 by IZ

Product No.:		036462		
Product:		Hexamethylenetet	ramine, ACS, 99)+%
Lot No.:		M02K021		
		Appearance	White sol	id
	Test		Limits	Results
	Assa	ay	99.0 % min	100.7 %
	Loss on drying		2.0 % max	0.2 %
	Heavy metals (as Pb)		0.001 % max	< 0.001 %
	Residue after ignition		0.1 % max	< 0.1 %

Retest Date: January 2, 2027

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Certificate of Analysis List For request number 2018129

Catalog Number	Lot Number	Related Catalog	Related Lot	
Entered	Entered	Number	Code	Description
2659949	4151	N/A	N/A	StablCal sup TS sup Standard, 10 NTU

Total Enclosures: 1



P.O.Box 389 Loveland, CO 80539 (970) 669-3050

Certificate of Analysis

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COMMODITY:StablCal sup TS sup Standard, 10 NTU					
COMMODITY NUMBER: 2659949	MANUFACTURE DATE:	DATE OF ANALYSIS:			
LOT NUMBER: A4151	6/4/2024	6/7/2024			

TESTSPECIFICATIONSRESULTSTurbidity9.5 to 10.5 NTU9.99 NTU

The expiration date is May 2026

Formazin and StablCal® solutions provided by Hach are not NIST traceable because the NIST does not carry turbidity standards. However, the use of Formazin and StablCal® as used in Hach method 8195 are accepted by the EPA as a primary standard to be used in the calibration of turbidity instruments.

Scott als

Certified by ____

Scott Als Analytical Services Chemist