



Safety Data Sheet

1. Product Identifier and Company Identification

Product name	: Liquid Ammonium Sulfate 10-40%	
HBCC SDS number	:	
Synonym	: Ammonium Sulfate Solution	
Product use and Restrictions	: Refer to label or call	
Manufacturer	: Corporate Headquarters	Corporate Safety & Compliance
Contact Address	Hill Brothers Chemical Company 3000 E Birch St #108 Brea, CA 92821 714-998-8800 800-821-7234 – Office	Hill Brothers Chemical Company 21639 N 12th Ave, Ste 100 Phoenix, Arizona 85027-2802 623-535-9955 - Office 623-535-9944 - Fax
Emergency telephone Number (Chemtrec)	: 800-424-9300	
Website	: https://www.hillbrothers.com	

2. Hazard Identification

Classification	: None
Signal Word	: None
Pictogram(s)	: None
Hazard Statements	: None

Precautionary Statements

Response	: None
Prevention	: None
Storage	: None
Disposal	: None

3. Composition/Information on Ingredients

CAS Number	Ingredient Name	Weight %
7783-20-2	Ammonium Sulfate	10-40%
7732-18-5	Water	Balance

4. First Aid Measures

Ingestion	: Rinse mouth. Get medical attention if symptoms occur.
Inhalation	: Remove to fresh air. Get medical attention immediately if symptoms occur.
Skin	: Wash off immediately with plenty of water for at least 15 minutes. Get Medical attention immediately if symptoms occur.
Eyes	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

- Effects of Overexposure** : N/A
- Summary of Acute Health Hazards** : Not expected to present a significant hazard under anticipated conditions for normal use.
- Ingestion** : N/A
- Inhalation** : N/A
- Skin** : N/A
- Eyes** : Direct contact with eyes may cause temporary irritation.
- Note to Physicians** : Treat symptomatically.
- Summary of Chronic Health** : Not expected to present a significant hazard under anticipated conditions for normal use.

5. Fire Fighting Measures

- Extinguishing** : No information available.
- Special Exposure Hazards** : Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.
- Special Protective Equipment for Firefighters** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Fire Fighting Procedures** : Use water spray or fog for cooling exposed containers. Use standard fire fighting procedures and consider the hazards of other involved materials.
- NFPA Rating** : Health - 1
Flammability - 0
Instability - 0



0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

- Uniform Fire Code Rating** : N/A

6. Accidental Release Measures

Personal Precautions & Emergency Procedures

: Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

Methods of Containment And Clean-Up

: Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

Environmental Precautions

: Do not flush into surface water or sanitary sewer system.

7. Handling and Storage

Safe Handling

: Wear personal protective equipment/face protection. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.

Storage

: Keep containers tightly closed in a dry, cool and well-ventilated place.

Work/Hygienic Practices

: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work.

Ventilation

: Ensure adequate ventilation.

Incompatible Products

: Strong oxidizing agents.

Incompatible Materials

: N/A

8. Exposure Controls/Personal Protective Equipment

Occupational Exposure Limit

: "This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Chemical Name: Liquid Ammonium Sulfate				
Exposure Limits (TWAs) in Air				
CAS Number	IDLH	ACGIH TLV	OSHA PEL	STEL
7783-20-2	-	-	-	-

Protective Equipment

: Avoid all unnecessary exposure. Wear protective gloves.

Eye Protection

: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin Protection

: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection

: Respiratory protection is not required. If desired, use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. Physical and Chemical Properties

Appearance: A clear, colorless liquid	Odor: Odorless
Odor Threshold: N/A	pH: 4 – 7.5
Melting Point/Freezing Point: N/A	Initial Boiling Point/Range: 221°F
Flash Point: N/A	Evaporation Rate (BuAc=1): N/A
Flammability: N/A	Lower/Upper Explosive Limit: N/A
Vapor Pressure (mmHg): N/A	Vapor Density (Air=1): N/A
Density: 8.83- 10.25 Lbs/US. Gal	Solubility in Water: Complete
Partition Coefficient: N/A	Autoignition Temperature: N/A
Decomposition Temperature: N/A	Viscosity: N/A
% Volatiles: 60-90% estimated	Specific Gravity (Water=1): 1.06-1.23
Molecular Weight: N/A	VOC: N/A

10. Stability and Reactivity

- Reactivity** : Stable and non-reactive under normal conditions of use, storage and transport.
- Chemical Stability** : Material is stable under normal conditions.
- Possibility of Hazardous Reactions or Polymerizations** : No dangerous reaction known under conditions of normal use.
- Conditions to Avoid** : Heat. Open flame. Direct sunlight. Extremely high or low temperatures.
- Incompatible Materials** : Oxidizing agents. Metals. Strong acids. Strong bases.
- Hazardous Decomposition Products** : None under normal use conditions.

11. Toxicological Information

- Acute Toxicity** : Not classified
- Routes of Exposure**
- Ingestion** : Expected to be a low ingestion hazard
 - Inhalation** : No adverse effects due to inhalation are expected.
 - Skin** : No adverse effects due to skin contact are expected.
 - Eyes** : Direct contact with eyes may cause temporary irritation.
- Symptoms related to Physical, Chemical & Toxicological Characteristics** : May cause skin, eye, and respiratory tract irritation.

Numerical Measures of Toxicity : Ammonium Sulfate
 (dermal, rat): >2000 mg/kg
 LD50 (oral, rat): 640-4250 mg/kg
 ATE US (oral): 640.00000000 mg/kg body weight

Ammonium Sulfate (7783-20-2)
 LD50 (dermal, rat): >2000 mg/kg
 LD50 (oral, rat): 2840 mg/kg (Rat)
 ATE US (oral): 2840.00000000 mg/kg body weight

Chronic Toxicity : Not classified

Carcinogenicity : Not classified

Product Name: Liquid Ammonium Sulfate					
ACGIH	IARC	EPA	NIOSH	NTP	OSHA
-	-	-	-	-	-

Target Organs : May cause respiratory irritation (single exposure).

12. Ecological Information

Ecotoxicity : Ammonium Sulfate (7783-20-2):
 LC50 fish 1: 126mg/l (96 h; Poecilia reticulata)
 EC50 Daphnia 1: 202 mg/l (96 h; Daphnia magna)
 LC50 fish 2: 250-480 mg/l (96 h; Brachydanio rerio)
 EC50 Daphnia 2: 433 mg/l (50 h; Daphnia magna)
 TLM fish 1: 1290 ppm (96 h; Gambusia affinis)

Persistence and Degradability : Ammonium Sulfate Solution 40%: Not established.
 Ammonium Sulfate (7783-20-2): Biodegradability in water: no data available. Not established.
 Water (7732-18-5): Not established.

Bioaccumulative Potential : Ammonium Sulfate Solution 40%: Not established.
 Ammonium Sulfate (7783-20-2):
 Log Pow: -5.1
 Bioaccumulation: Not applicable. Not established.
 Water (7732-18-5): Not established.

Mobility in Soil : Will likely be mobile in the environment due to its water solubility.

13. Disposal Considerations

- Disposal Methods** : Recycle any unused portion of the material for its approved use. Ultimate disposal of the chemical must consider: the material's impact on air quality; potential migration in air, soil, or water; effects on animal, aquatic, and plant life; and conformance with environmental and public health regulations. Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

14. Transport Information

This product is not regulated as a hazardous material, substance or dangerous good.

15. Regulatory Information

- SARA 302 Extremely Hazardous Substances (EHS)** : No chemical in this product is listed as an Extremely Hazardous Substance (EHS) under Section 302 of EPCRA.

- SARA 304 Extremely Hazardous Substances (EHS) Release Notification** : No chemical in this product is listed as an Extremely Hazardous Substance (EHS) which, if released into the environment in quantities at or above the substance's Reportable Quantity (RQ), would require reporting to the SERC and LEPC under Section 304 of EPCRA.

SARA 311/312 Hazards :

SARA 311/312 Hazards				
Acute	Chronic	Flammability	Pressure	Reactivity
No	No	No	No	No

- SARA 313 Reportable Chemicals** : No chemical in this product is subject to annual emissions, transfers, or waste management reporting under the Community-Right-to-Know provisions of EPCRA Section 313, also known as the Toxics Release Inventory (TRI) Report or Form R.

- CERCLA Hazardous Substances** : No chemical in this product is listed as a CERCLA hazardous substance subject to the National Response Center (NRC) release reporting requirements.

- Clean Air Act (CAA) Section 112(r) Air Pollutants** : No chemical in this product is listed as an air pollutant under the U.S. Clean Air Act, Section 112(r) (40 CFR 61).

- California Prop 65 Chemicals** : This product does not contain any chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

- Hazard Label Warning** : None

- TSCA (Toxic Substances Control Act)** : TSCA (Toxic Substances: Ammonium Sulfate (7783-20-2) is listed on the U.S. TSCA Control Act) Inventory List.

ACRONYMS:

CAS # – Chemical Abstract Services Registry Number
CFR – Code of Federal Regulations
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
EPCRA – Emergency Planning and Community Right-to-Know Act
LEPC – Local Emergency Planning Committee
SERC – State Emergency Response Commission



Maximum use level under NSF/ANSI/CAN Standard 60
Liquid Ammonium Sulfate 40% Maximum use 60 mg/L
Ammonium Sulfate 40% Solution Maximum use 60 mg/L

16. Other Information

Revision Date : 01/13/2026
Supersedes : 04/14/2025
First Issue : 11/04/2016

Chemical Family/Type : Inorganic Salt

Section(s) changed since last revision : Sections 1,15

IMPORTANT! Read this SDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This SDS has been prepared in accordance with the Globally Harmonized System of Chemical and Labeling of Chemicals (GHS) Fifth Edition and the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The SDS information is based on sources believed to be reliable. Available data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control; **Hill Brothers Chemical Company** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks and exercise appropriate precautions for protection of employees and others prior to use.

PRODUCT SPECIFICATIONS

LIQUID AMMONIUM SULFATE 40% SOLUTION



DESCRIPTION

Liquid Ammonium Sulfate (LAS) is a clear to pale yellow odorless liquid solution. LAS is a stable, non-hazardous, non-toxic aqueous ammonium sulfate solution manufactured at 40% by weight ammonium sulfate $(NH_4)_2SO_4$.

CHEMICAL PROPERTIES

PROPERTY	SPECIFICATIONS
Appearance.....	Clear to pale yellow solution
Assay $(NH_4)_2SO_4$	38% Min
Heavy Metals as Lead (Pb).....	10 ppm Max
Arsenic (As)	5 ppm Max

Hill Brothers' Liquid Ammonium Sulfate 40% Solution meets or exceeds all above specifications by independent laboratory test.

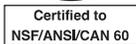
PHYSICAL PROPERTIES

PROPERTY	TYPICAL PROPERTIES
Specific Gravity at 68°F.....	1.230
Pounds per gallon at 68°F.....	10.2
Boiling Point.....	221°F
Freezing Point.....	0°F
Solution pH.....	4 to 7.5

NSF Tested and Certified In Accordance with Standard 60



Maximum use level for Liquid Ammonium Sulfate
Under NSF/ANSI/CAN Standard 60



LAS 40% Maximum use 60 mg/L

SAFETY AND HANDLING

Liquid ammonium sulfate is classified as a non-hazardous chemical; it does not require specialized equipment or special handling. Hill Brothers attests that the product meets all pertinent specifications, but accepts no responsibility for its end use. Although this product meets specifications, this in no way mitigates the hazards inherent in this product. Proper safety equipment and other safety concerns must be observed. Refer to the Liquid Ammonium Sulfate Safety Data Sheet for safety information.



HILL BROTHERS Chemical Co.

Rev. 4/2025

Southern California
(800) 438-8515

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Utah/Pacific Northwest
(800) 336-3911

Corporate Headquarters
(800) 994-8801
www.hillbrothers.com



The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Tuesday, January 27, 2026** at 12:15 a.m. Eastern Time. Please [contact NSF](#) to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information:

<http://info.nsf.org/Certified/PwsChemicals/Listings.asp?Company=22370&Standard=060&>

NSF/ANSI/CAN 60 Drinking Water Treatment Chemicals - Health Effects

Hill Brothers Chemical Company

3000 East Birch Street

Suite 108

Brea, CA 92821

United States

714-998-8800

Facility : Phoenix, AZ

Calcium Chloride

Trade Designation

HICO Liquid Calcium Chloride

Product Function

Defluoridation

Max Use

200mg/L

Softener

Liquid Calcium Chloride 30-38%

Softener

200mg/L

Defluoridation

Chlorine[CL]

Trade Designation

Chlorine Gas

Product Function

Disinfection & Oxidation

Max Use

30 mg/L

[CL] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations.

Ferric Chloride

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Ferric Chloride 42 BE	Coagulation & Flocculation	250mg/L

Ferrous Chloride

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Ferrous Chloride	Coagulation & Flocculation	250mg/L

Sodium Hydroxide

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquid Caustic Soda, 25%	pH Adjustment	200 mg/L
Liquid Caustic Soda, 30%	pH Adjustment	167 mg/L
Liquid Caustic Soda, 33%	pH Adjustment	152 mg/L
Liquid Caustic Soda, 50%	pH Adjustment	100 mg/L

Sodium Hypochlorite[HY]

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
12.5% Liquid Bleach	Disinfection & Oxidation	84mg/L
Sodium Hypochlorite - 12.5%	Disinfection & Oxidation	84mg/L
Sodium hypochlorite 5.25%	Disinfection & Oxidation	200mg/L

[HY] The residual levels of chlorine (hypochlorite ion and hypochlorous acid), chlorine dioxide, chlorate ion, chloramine and disinfection by-products shall be monitored in the finished drinking water to ensure compliance to all applicable regulations. Also, reference the AWWA B300 (Hypochlorites) standard's Recommendations for the Handling and Storage of Hypochlorite Solutions appendix for information on preservation techniques for hypochlorite bleach in transit and storage.

Sulfuric Acid

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Sulfuric Acid 40%	Corrosion & Scale Control pH Adjustment	103mg/L
Sulfuric Acid 50%	Corrosion & Scale Control pH Adjustment	92mg/L
Sulfuric Acid 66 Baume	Corrosion & Scale Control pH Adjustment	50mg/L
Sulfuric Acid 93%	Corrosion & Scale Control pH Adjustment	50mg/L

Facility : Industry, CA

Ammonia, Anhydrous**Trade Designation**

Ammonia Gas

Product FunctionDisinfection & Oxidation
Ozone Reduction**Max Use**

5mg/L

Anhydrous Ammonia

Disinfection & Oxidation
Ozone Reduction

5mg/L

Ammonium Hydroxide**Trade Designation**

Ammonium Hydroxide 19%

Product Function

Disinfection & Oxidation

Max Use

26mg/L

Ammonium Hydroxide 20%

Disinfection & Oxidation

25mg/L

Ammonium Hydroxide 24.5%

Disinfection & Oxidation

20mg/L

Ammonium Hydroxide 29.45%

Disinfection & Oxidation

17mg/L

Aqua Ammonia 19%

Disinfection & Oxidation

26mg/L

Aqua Ammonia 20%

Disinfection & Oxidation

25mg/L

Aqua Ammonia 24.5%

Disinfection & Oxidation

20mg/L

Aqua Ammonia 26 BE

Disinfection & Oxidation

17mg/L

Ammonium Sulfate**Trade Designation**

Ammonium Sulfate 40% Solution

Product FunctionChloramination
Disinfection & Oxidation**Max Use**

60mg/L

Liquid Ammonium Sulfate 40%

Chloramination
Disinfection & Oxidation

60mg/L

Calcium Chloride**Trade Designation**

HICO Liquid Calcium Chloride

Product FunctionDefluoridation
Softener**Max Use**

200mg/L

Liquid Calcium Chloride 30-38%

Defluoridation
Softener

200mg/L

Facility : San Jose, CA**Ammonia, Anhydrous****Trade Designation**

Ammonia Gas

Product FunctionDisinfection & Oxidation
Ozone Reduction**Max Use**

5mg/L

Anhydrous Ammonia

Disinfection & Oxidation
Ozone Reduction

5mg/L

Ammonium Hydroxide

Trade Designation	Product Function	Max Use
Ammonium Hydroxide 19%	Disinfection & Oxidation	26 mg/L
Ammonium Hydroxide 20%	Disinfection & Oxidation	25 mg/L
Ammonium Hydroxide 24.5%	Disinfection & Oxidation	20 mg/L
Ammonium Hydroxide 29.45%	Disinfection & Oxidation	17 mg/L
Aqua Ammonia 20%	Disinfection & Oxidation	25 mg/L
Aqua Ammonia 24.5%	Disinfection & Oxidation	20 mg/L
Aqua Ammonia 26 BE	Disinfection & Oxidation	17 mg/L

Ammonium Sulfate

Trade Designation	Product Function	Max Use
Ammonium Sulfate 40% Solution	Chloramination Disinfection & Oxidation	60mg/L
Liquid Ammonium Sulfate 40%	Chloramination Disinfection & Oxidation	60mg/L

Calcium Chloride

Trade Designation	Product Function	Max Use
HICO Liquid Calcium Chloride 200	Defluoridation Softener	200mg/L
Liquid Calcium Chloride 30-38%	Softener Defluoridation	200mg/L

Number of matching Manufacturers is 1

Number of matching Products is 43

Processing time was 0 seconds



789 N. Dixboro Rd. Ann Arbor, MI 48105, USA
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EVALUATION REPORT

Send To: 22370

Mr. Tony Garcia
 Hill Brothers Chemical Company
 15017 East Clark Avenue
 City of Industry, CA 91745

Facility: 22374

Hill Brothers Chemical Company
 15017 East Clark Avenue
 Industry CA 91745
 United States

Result	PASS	Report Date	21-FEB-2025
Customer Name	Hill Brothers Chemical Company		
Tested To	NSF/ANSI/CAN 60		
Description	Ammonium Sulfate 40% Liquid		
Trade Designation	Ammonium Sulfate 40%		
Test Type	Annual Collection		
Job Number	A-00504999		
Project Number	W0943803		
Project Manager	Denice Erley		

This report documents the testing of the referenced product to the requirements of NSF/ANSI/CAN Standard 60 (Drinking Water Treatment Chemicals - Health Effects). This standard establishes minimum requirements for chemicals, the chemical contaminants, and impurities that are added to drinking water from drinking water treatment chemicals. Contaminants produced as by-products through reaction of the treatment chemical with a constituent of the drinking water are not covered by this Standard. Reference the "About the Standard" section at the end of this report for additional information about NSF/ANSI/CAN Standard 60 and the products covered under this Standard.

Thank you for having your product tested by NSF.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization 
 Scott E. Randall - Senior Manager Commercial Water

Date 21-FEB-2025



General Information

Standard: NSF/ANSI/CAN 60
 Chemical Name: Ammonium Sulfate 40%
 Lot Number/Product Identifier: 011425-C1
 Monitor Code: B
 Physical Description of Sample: Liquid
 Tested DCC Number: DA08950
 Trade Designation/Model Number: Ammonium Sulfate 40%

Sample Id: **S-0002188569**
 Description: Ammonium Sulfate 40% | Liquid
 Sampled Date: 04-Feb-2025
 Received Date: 31-Jan-2025

Tox Normalization Information:		Lab Normalization Information:	
Calculated NF	0.0987	Date exposure completed	04-FEB-2025
Preparation method used	A	Final volume of solution	0.25 L
MUL	60 mg/L	Mass of material used	152 mg
Compound Reference Key:	SPAC		

Normalization Calculation:

$$\text{Normalized Result} = \text{Test Result (ug/L)} * \text{NF} \quad \text{Where NF} = \text{MUL (mg/L)} * \frac{\text{Final Volume Of Solution (L)}}{\text{Mass of Material Used (mg)}}$$

- MUL = Maximum Use Level;
- Mass of Material Used = The mass of sample analyzed in the laboratory;
- Final Volume of Solution = The volume of water used to dilute the sample;
- An additional factor may be used to adjust the analytical result to field use conditions to account for product carryover, flushing, or other assumptions stipulated with the use of the product. If an additional factor is used, it is included in the information above.

Testing Parameter	Units	Sample	Control	Result	Norm. Result	Acceptance Criteria(1)	Evaluation Status
Ann Arbor Chemistry Lab							
Metals II in water by ICPMS (Ref: EPA 200.8)							
Arsenic	ug/L	ND(1)	ND(1)	ND(1)	ND(0.1)	1	Pass
Barium	ug/L	ND(1)	ND(1)	ND(1)	ND(0.1)	200	Pass
Beryllium	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.05)	0.4	Pass
Cadmium	ug/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.02)	0.5	Pass
Chromium	ug/L	ND(1)	ND(1)	ND(1)	ND(0.1)		
Copper	ug/L	ND(1)	ND(1)	ND(1)	ND(0.1)	130	Pass
Manganese	ug/L	ND(1)	ND(1)	ND(1)	ND(0.1)	12	Pass
Mercury	ug/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.02)	0.2	Pass
Lead	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.05)	0.5	Pass
Antimony	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.05)	0.6	Pass
Selenium	ug/L	ND(1)	ND(1)	ND(1)	ND(0.1)	5	Pass
Thallium	ug/L	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.02)	0.2	Pass
Aluminum	ug/L	ND(10)	ND(10)	ND(10)	ND(0.99)	290	Pass

1 - If the acceptance criteria is blank and the evaluation status is "Fail", then the criteria used will be noted on the letter accompanying these results.



Common Terms and Acronyms Used:

Sample.....	Test result on the submitted product sample after prepared or exposed in accordance with the standard.
Control.....	Test result on a laboratory blank sample analyzed in parallel with the sample.
Result.....	Sample test result minus the Control test result.
Normalized Result...	Result normalized in accordance with the test standard to reflect potential at-the-tap concentrations
ND().....	Result is below the detection level of the analytical procedure as identified in the parenthesis.
DCC Number.....	NSF document control code of the registered formulation of the product tested
ug/L.....	Microgram per liter = 0.001 milligram per liter (mg/L)
SPAC.....	Acceptance criteria of the standard (Single Product Allowable Concentration)

References to Testing Procedures:

NSF Reference	Parameter / Test Description
C1183	Metals II in water by ICPMS (Ref: EPA 200.8)

Test descriptions preceded by an asterisk "*" indicate that testing has been performed per NSF requirements but is not within its scope of accreditation.

Unless otherwise indicated, method uncertainties are not applied in any determinations of conformity. Testing utilizes the requested sections of any referenced standards, which may not be the entire standard.

Dates of Laboratory Activity: 03-FEB-2025 to 07-FEB-2025

Testing Laboratories:

Id	Address
All work performed at: → NSF_AA	NSF 789 N. Dixboro Road Ann Arbor MI 48105



About the Standard:

NSF/ANSI/CAN Standard 60: Drinking Water Treatment Chemicals - Health Effects

NSF/ANSI/CAN 60 establishes minimum health effects requirements for the chemicals, the chemical contaminants, and the impurities that are directly added to drinking water from drinking water treatment chemicals. It does not establish performance or taste and odor requirements. The standard contains requirements for chemicals that are directly added to water and are intended to be present in the finished water as well as other chemical products that are added to water but are not intended to be present in the finished water. Chemicals covered by this Standard include, but are not limited to, coagulation and flocculation chemicals, softening, precipitation, sequestering, pH adjustment, and corrosion/scale control chemicals, disinfection and oxidation chemicals, miscellaneous treatment chemicals, and miscellaneous water supply chemicals.

The testing performed to this standard is done to estimate the level of contaminants or impurities added to drinking water when the chemical is used at the "Maximum Use Level" under attestation. Prior to testing, information is obtained on the formulation and sources of supply used to manufacture the chemical. This information is then reviewed along with the minimum requirements of the standard to establish the potential contaminants of concern. A representative sample of chemical is obtained for testing. The chemical sample is prepared for analysis through specific methods established in the standard based on the type of chemical and then is analyzed for potential contaminants determined during the formulation review. The laboratory results are normalized to represent potential at-the-tap values and then compared to the "single product allowable concentration" (SPAC) established by the standard. The product is found in compliance with the standard if the normalized value is less than or equal to the allowable concentration.