



The Public Health and Safety Organization

NSF Product and Service Listings

These NSF Official Listings are current as of **Friday, January 24, 2025** at 12:15 a.m. Eastern Time. Please [contact NSF](#) to confirm the status of any Listing, report errors, or make suggestions.

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

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

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

Chlorine[CL]

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

Facility : Industry, CA

Ammonia, Anhydrous

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Ammonia Gas	Disinfection & Oxidation Ozone Reduction	5mg/L
Anhydrous Ammonia	Disinfection & Oxidation Ozone Reduction	5mg/L

Ammonium Hydroxide

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

Ammonium Sulfate

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

Calcium Chloride

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

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

<i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Ammonia Gas	Disinfection & Oxidation Ozone Reduction	5mg/L
Anhydrous Ammonia	Disinfection & Oxidation Ozone Reduction	5mg/L

Ammonium Hydroxide

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

Calcium Chloride

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

Number of matching Manufacturers is 1

Number of matching Products is 42

Processing time was 0 seconds



781 East Washington Blvd., Los Angeles, CA 90021
(213) 745-5312 FAX (213) 745-6372

Certificate of Analysis

Page 1 of 2

Hill Brothers Chemical Co.
15017 E. Clark Ave.
City of Industry, CA 91745

File #: 73659
Report Date: 09/20/24
Submitted: 08/09/24
PLS Report No.: 2408061

Attn: Armando Marrufo
Project: Aqua Ammonia

Phone: (714) 998-8800 FAX: (626) 333-9561

Sample ID: Aqua Ammonia 29.4% Lot # 33643-080730_CI (2408061-01) Sampled: 08/08/24 00:00 Received: 08/09/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Phosphate	ND	BVR4	1	mg/L	1.00	- EPA 300.0	09/17/24	09/18/24	mv	BI42006
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Arsenic	ND		1	mg/L	0.020	EPA 200.7 EPA 200.7	09/19/24	09/19/24	jks	BI41914
Iron	ND		1	mg/L	0.050	EPA 200.7 EPA 200.7	09/19/24	09/19/24	jks	BI41914
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	ND		1	mg/L	0.0500	EPA 200.7 FCC	08/16/24	08/16/24	jks	BH41620
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Nonvolatile Residue	ND		1	mg/L	0.0200	- FCC	08/15/24	08/15/24	ss	BH41613
Readily Oxidizable Substances	Pass <0.02		1	mg/L	-	- FCC	08/15/24	08/15/24	ss	BH41613
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Assay %	28.6		1	mg/L	0.0500	- FCC	08/15/24	08/15/24	ss	BH41612
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Assay %	28.1		1	%	0.100	- ACS	09/18/24	09/18/24	ss	BI42004
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
KMnO4 Reducing Substances	Pass		1	.	-	- ACS	09/18/24	09/18/24	ss	BI42004
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Color	Pass		1	Color Units	1.00	- ILT SPECIFIC ME	09/18/24	09/18/24	ss	BI42004
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Chloride	Pass		1	mg/L	0.500	- ACS	09/19/24	09/19/24	ss	BI42004
Total Sulfur as Sulfate	Pass		1	mg/L	2.00	- ACS	09/19/24	09/19/24	ss	BI42004
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Carbon dioxide	Pass		1	%	0.00200	- ACS	09/19/24	09/19/24	ss	BI42004
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Heavy Metal as Lead	ND		1	mg/L	0.500	EPA 200.7 EPA 200.7	09/19/24	09/19/24	jks	BI41914

Sample ID: Aqua Ammonia 29.4% Lot # 080224-SJ (2408061-02) Sampled: 08/02/24 00:00 Received: 08/09/24

Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Phosphate	ND	BVR4	1	mg/L	1.00	- EPA 300.0	09/17/24	09/18/24	mv	BI42006
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Arsenic	ND		1	mg/L	0.020	EPA 200.7 EPA 200.7	09/19/24	09/19/24	jks	BI41914
Iron	ND		1	mg/L	0.050	EPA 200.7 EPA 200.7	09/19/24	09/19/24	jks	BI41914
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Lead	ND		1	mg/L	0.0500	EPA 200.7 FCC	08/16/24	08/16/24	jks	BH41620
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Nonvolatile Residue	ND		1	mg/L	0.0200	- FCC	08/15/24	08/15/24	ss	BH41613
Readily Oxidizable Substances	Pass <0.02		1	mg/L	-	- FCC	08/15/24	08/15/24	ss	BH41613
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Assay %	29.3		1	mg/L	0.0500	- FCC	08/15/24	08/15/24	ss	BH41612



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Certificate of Analysis

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15017 E. Clark Ave.
City of Industry, CA 91745

File #: 73659
Report Date: 09/20/24
Submitted: 08/09/24
PLS Report No.: 2408061

Attn: Armando Marrufo
Project: Aqua Ammonia

Phone: (714) 998-8800 FAX: (626) 333-9561

Sample ID: Aqua Ammonia 29.4% Lot # 080224-SJ (2408061-02) Sampled: 08/02/24 00:00 Received: 08/09/24										
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Assay %	28.3		1	%	0.100	ACS	09/18/24	09/18/24	ss	BI42004
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
KMnO4 Reducing Substances	Pass		1		-	ACS	09/18/24	09/18/24	ss	BI42004
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Color	Pass		1	Color Units	1.00	ILT SPECIFIC ME	09/18/24	09/18/24	ss	BI42004
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Chloride	Pass		1	mg/L	0.500	ACS	09/19/24	09/19/24	ss	BI42004
Total Sulfur as Sulfate	Pass		1	mg/L	2.00	ACS	09/19/24	09/19/24	ss	BI42004
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Carbon dioxide	Pass		1	%	0.00200	ACS	09/19/24	09/19/24	ss	BI42004
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch
Heavy Metal as Lead	ND		1	mg/L	0.500	EPA 200.7	09/19/24	09/19/24	jks	BI41914

Notes and Definitions

BVR4 Analysis requested past Holding Time.
NA Not Applicable
ND Analyte NOT DETECTED at or above the reported limit(s)
NR Not Reported
MDL Method Detection Limit
PQL Practical Quantitation Limit

Environmental Laboratory Accreditation Program Certificate No. 1131, Mobile Lab No. 2534, LACSD No. 10138

Authorized Signature(s)



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Page 1 of 1

Hill Brothers Chemical Co.
15017 E. Clark Ave.
City of Industry, CA 91745

File #:73659
Report Date: 10/24/24
Submitted: 08/09/24
PLS Report No.: 2408061

Attn: Armando Marrufo
Project: Aqua Ammonia

Phone: (714) 998-8800 FAX:(626) 333-9561

Sample ID: Aqua Ammonia 29.4% Lot # 33643-080730_CI (2408061-01) Sampled:08/08/24 00:00 Received: 08/09/24											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Residue On Ignition	ND		1	%	0.002 -	ACS	10/23/24	10/23/24	ss	BI42004	
Sample ID: Aqua Ammonia 29.4% Lot # 080224-SJ (2408061-02) Sampled:08/02/24 00:00 Received: 08/09/24											
Analyte	Results	Flag	D.F.	Units	PQL	Prep/Test Method	Prepared	Analyzed	By	Batch	
Residue On Ignition	ND		1	%	0.002 -	ACS	10/23/24	10/23/24	ss	BI42004	

Notes and Definitions

NA Not Applicable
ND Analyte NOT DETECTED at or above the reported limit(s)
NR Not Reported
MDL Method Detection Limit
PQL Practical Quantitation Limit
Environmental Laboratory Accreditation Program Certificate No. 1131, LACSD No. 10138

Authorized Signature(s)