

LCI LTD

(904) 241 1200

P.O. Box 49000

Jacksonville Beach, FL 32240-9000

FOR REFERENCE ONLY - DO NOT SEND OUT

October, 1990

HYDROFLUOSILICIC ACID SPECIFICATIONSH₂SiF₆COMMERCIAL GRADE

	<u>GUARANTEED</u>	<u>TYPICAL</u>
H ₂ SiF ₆ (MOL. WT. 144.06)	25% +/- 3% by weight	24%
Fluorine	19% +/- 3% by weight	18.5%
Heavy Metals, as lead, Pb.	0.020% MX.	0.0002%
Phosphorus		0.100%
HF		1.0%
Arsenic		0.0035%
Barium		< 0.0002%
Cadmium		0.0004%
Chromium		< 0.00003%
Iron		0.100%
Iodine		0.0013%
Lead		< 0.00005%
Mercury		< 0.0000001%
Selenium		< 0.000003%
Silver		0.0004%
Specific Gravity, at 25%, at 60°F		1.224
Boiling Point for 25%		222.5°F
Freezing Point for 25%		-4.0°F
Weight per Gallon for 25%		10.2 lbs/gal
pH 1% Solution		1.2

Material meets AWWA Standard B703 -- 89

Water white to straw yellow in color -- transparent aqueous
Solution -- acid liquid.

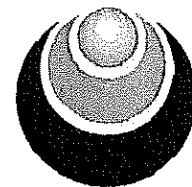
Clean and free of visible suspended matter.

Highly corrosive, pungent odor -- store in structural carbon,
Hastelloy C, Durimer 20 and approved rubber or plastic lined containers.

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Telex 752638 LCLTD JAX
FAX 904-241-1220

CERTIFICATE OF ANALYSIS



ControlChem Canada Ltd.
T. 905.319.2234, 1.866.882.2436 F. 905.319.0438
Emergency Response Please call our office
E. orderdesk@controlchem.com

CONTROLCHEM

www.controlchem.com

ControlChem is ISO 9001 & 14001 System Certified

Date (mm/dd/yy): July 10, 2017

ATTENTION: Ontario Clean Water Agency

CUSTOMER: City of Mississauga - OCWA

SHIP TO: Lakeview Water Treatment Plant., 920 East Avenue,
City of Mississauga, ON, L5E1W6

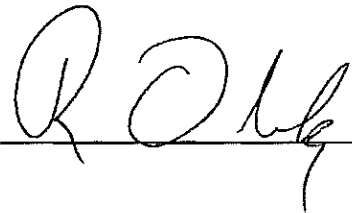
PRODUCT NUMBER: 25 % FLUOROSILICIC ACID PURE (CC 4042)

BATCH NO.: 1750-506

P.O. 0556569 order# 13050

TEST	SPECIFICATIONS	ANALYSIS RESULTS
H ₂ SiF ₆	23 to 28 wt%	25.1 wt%
Density @ 18°C (Kg/L)	1.200 - 1.275	1.209
Free Hydrofluoric acid as HF	1.5 % MAX.	0.35%
SO ₄	0.40 % MAX	0.02%
Arsenic	3 mg/L MAX	< 1 mg/L
Lead	1 mg/L MAX	< 1 mg/L

Expiry Date: The shelf life of this product is a minimum 1 year from the date of shipment

Quality Control Representative: 



Certified to
NSF/ANSI 60

Water Treatment. Water Solutions.



8813 Hwy 41 South
 Riverview, FL
 Telephone: (813) 877-9111 - TELX52688
 Fax: (813) 871-6283 ACCOUNTING

This product was produced at the
 Production Plant - Riverview Facility

CAR NO: CATX002030

Deliveries: 1001288234

Material: Our / Your reference
 200011 FLUOROSILICIC ACID /

Quality Certificate

Date
 01/29/2013
 Purchase order item/date
 45403267 / 01/09/2013
 Delivery item/date
 1001288234 000010 / 01/23/2013
 Order item/date
 1508377 000010 / 01/09/2013
 Customer number
 5002715

Inspection lot 100000056703 from 01/23/2013

Characteristic	Result	Unit
Chemical Analysis		
Net H ₂ SiF ₆	23.53	%
P ₂ O ₅	0.19	%
Free Acid	0.34	%
Lead	0.00	ppm
Arsenic	88.75	ppm
Physical Analysis		
Density	1.2130	g/cm ³
APHA	70	CU

"We certify that product" assigned from this
 Certificate of Analysis meets ANSI/A 0763-11"



Certified to
 ANSI/A 0763-11
 0.00%

Kwasi Sakyi-Amfo
 QC Lab Supervisor - Riverview