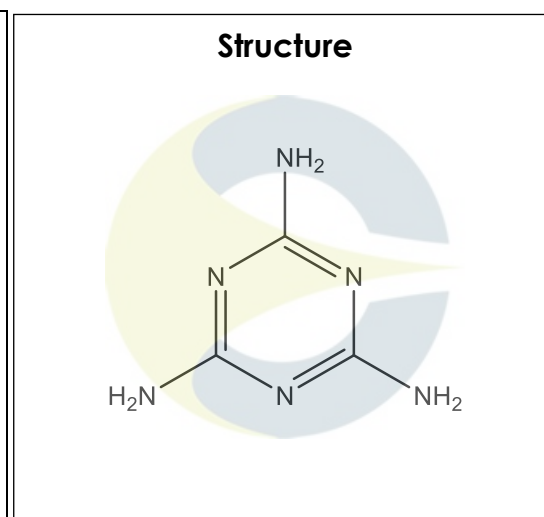


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PRODUCT NAME	Melamine
PART NUMBER	00013163
STANDARD TYPE	Primary (P)
LOT NUMBER	00013163-1298
REPORT NUMBER	CDXA-RSS-1746-02
SAMPLE NUMBER	CDXA-07-1298
DATE OF SAMPLE	05/24/2007
DATE OF RE-EVALUATION	05/03/2011 (1 st); 12/25/2015 (2 nd); 04/06/2020 (3 rd)
DATE OF REPORT	05/14/2020



CHEMICAL NAMES	1,3,5-Triazine-2,4,6-triamine; 1,3,5-Triazine-2,4,6(1H,3H,5H)-triazine; 2,4,6-Triamino-1,3,5-triazine; Cyanuramide; Cyanurotriamine; Triaminotriazine
CHEMICAL FORMULA	C ₃ H ₆ N ₆
MOLECULAR WEIGHT (MW)	126.12
CHEMICAL FAMILY	Alkaloids
CAS NUMBER	[108-78-1]
EC#(EINECS)	203-615-4
RTECS	OS0700000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	99.9%
HPLC	0.700.10.2.METH46	NA	99.9%
Mass Spectrum	Direct Infusion, ESI (+)	Conforms	Conforms
Residual Solvent	CDXA-AM-001-04	NA	ND
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

ADJUSTED PURITY: 99.9% IS BASED ON (100 - 0.0 SOLVENTS - 0.0 WATER) X 99.9% HPLC

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STORAGE CONDITIONS

STORAGE Room Temperature in a dry place.
EXPIRATION DATE 04/2025 under the above conditions.



Digitally signed
by Elizabeth
Hughes
Date: 2020.05.14
16:34:14 -06'00'

ANALYTICAL CONDITIONS

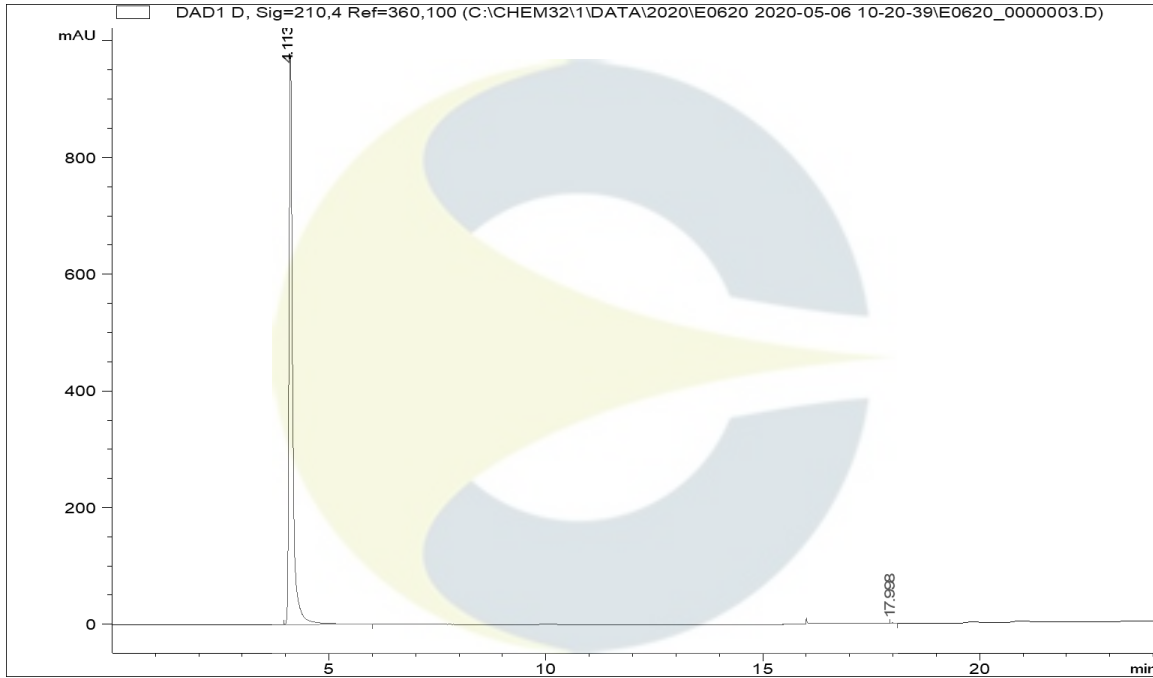
INSTRUMENT AGILENT 1260 HPLC UV-VIS (DAD); FINNIGAN LCQ-DECA
COLUMN Phenomenex Synergi Hydro-RP 250 x 4.6 mm, 4 µm particle size
MOBILE PHASE A – 10 mM KH₂PO₄ pH 2.9 in Milli-Q water, B - Acetonitrile;
Isocratic 0% B for 10 minutes, then increasing to 30% B over 10 minutes. Hold at 30% B for 4 minutes.
COLUMN TEMP. 22 °C
FLOW RATE 1.0 mL/minute
INJECTION VOL. 0.1 µL
INJECTION CONC. 4.1 mg/mL in Ultrapure Water
DETECTION 210 ± 2 nm

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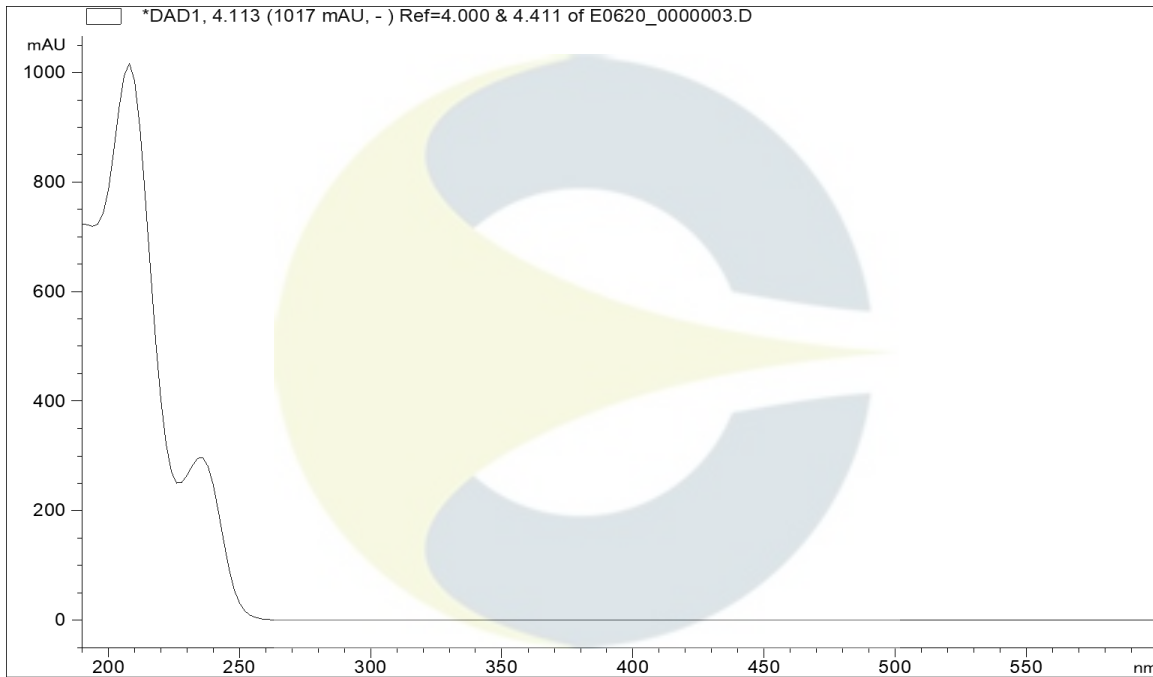
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HPLC CHROMATOGRAM OF MELAMINE (CDXA-07-1298)



UV SPECTRUM AT RT = 4.1 MINUTES



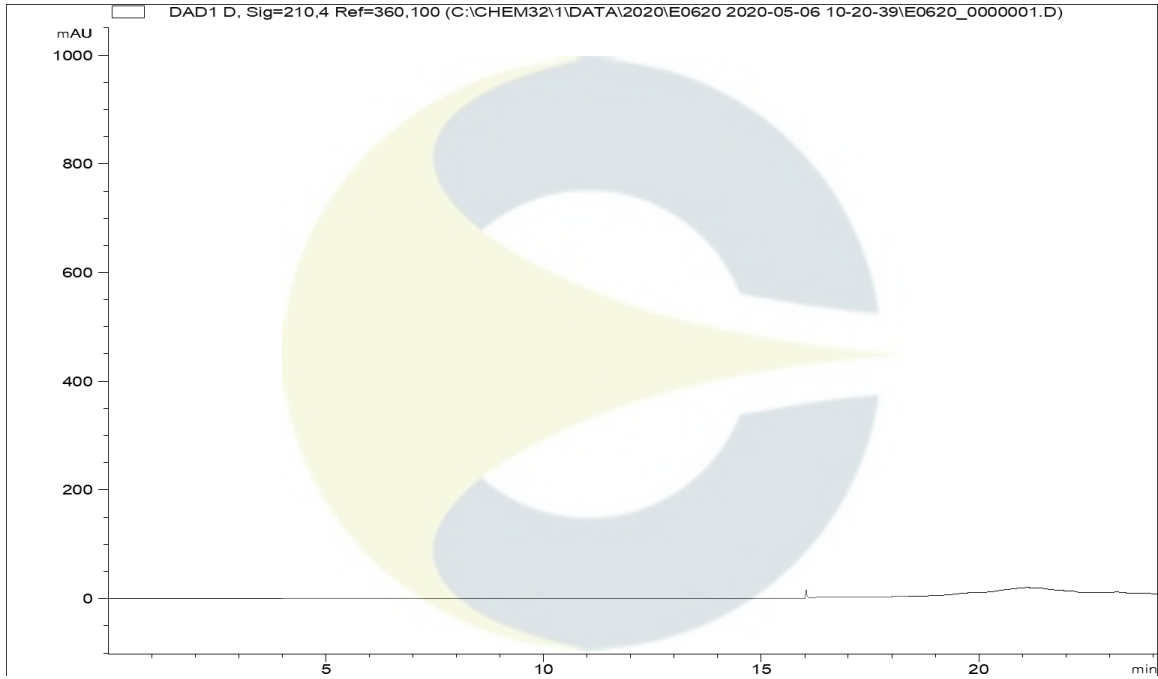
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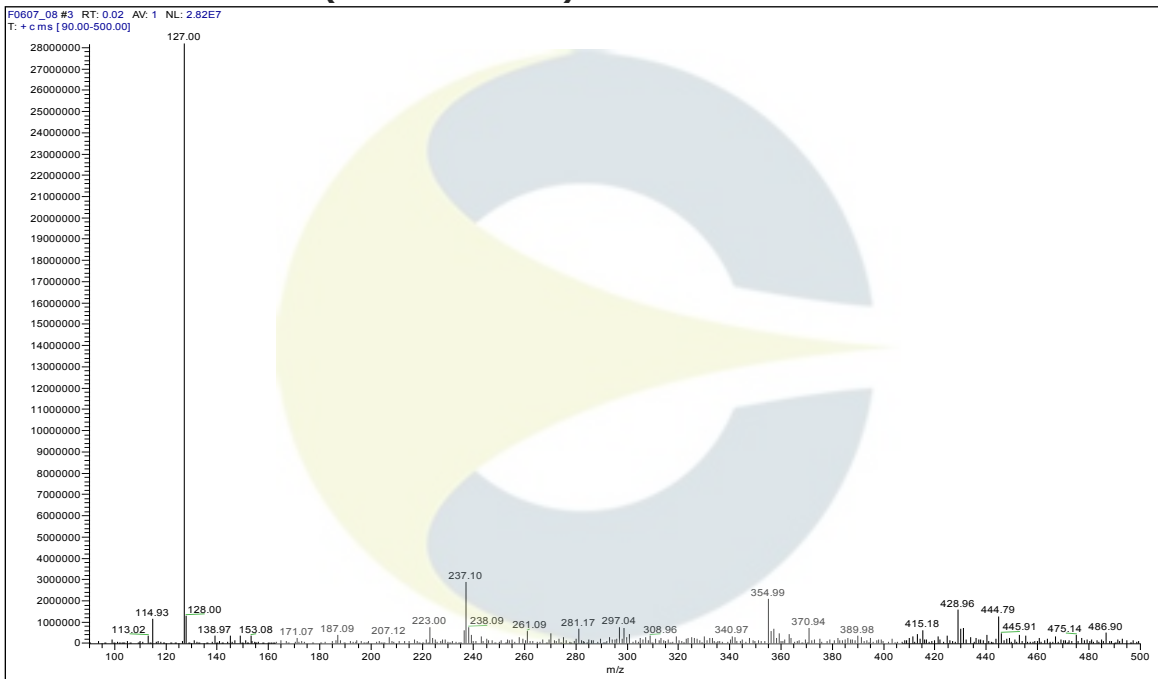
India Contact:
Life Technologies (India) Pvt. Ltd.
306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

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HPLC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF MELAMINE (CDXA-07-1298)



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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	05/25/2011	New report
01	01/26/2016	Passed second re-evaluation by HPLC, KF. Updated expiration date and melting point.
02	05/14/2020	Passed third re-evaluation by HPLC and KF. Removed melting point. Updated expiration date, Analytical Results, Analytical Conditions, and chromatograms.

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