

ICC **INDOFINE Chemical Company, Inc.**

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat No.: 19-877

Product: **2-ACETOXY BENZOIC ACID-4-NITROOXYMETHYL PHENYL
ESTER**
(p-NO-Aspirin)

CAS Number: [287118-97-2]

Lot Number: 0510087

Chemical Formula: $C_{16}H_{13}NO_7$

Molecular Weight: 331.28

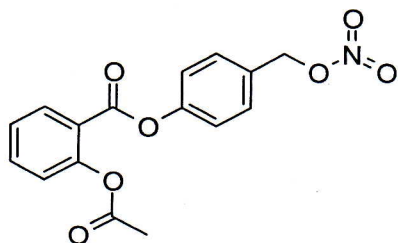
Melting Point: 90-92°C

Appearance: White shining powder

Solubility: Chloroform

Storage: Cool dry place

Purity(HPLC): 99+%





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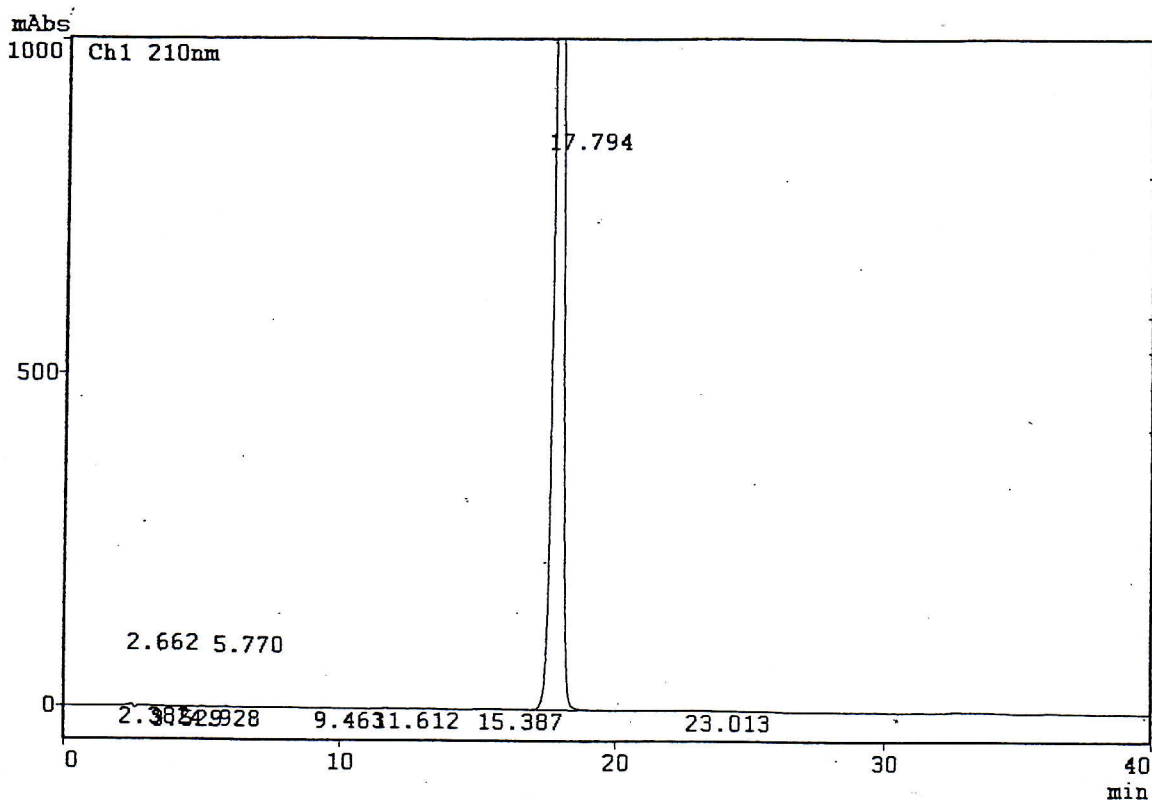
HPLC ANALYSIS

CLASS-M10A Ver.=1.60 SYS=1 REPORT.NO=3 DATA=HPLC-074.K01

Sample : P-NO-ESTER
ID : SAMPLE
Type : Unknown
Detector : SPD-M10Avp
Operator : RAVEENDRA
Method Name : HPLC-074.M01

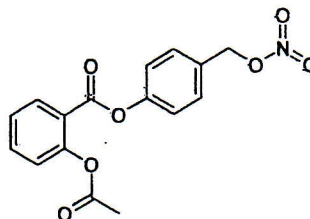
Catalog No.: 19-877
Product name: para-NO-Aspirin
Lot No.: 0510087

*** Chromatogram ***



*** Peak Report ***

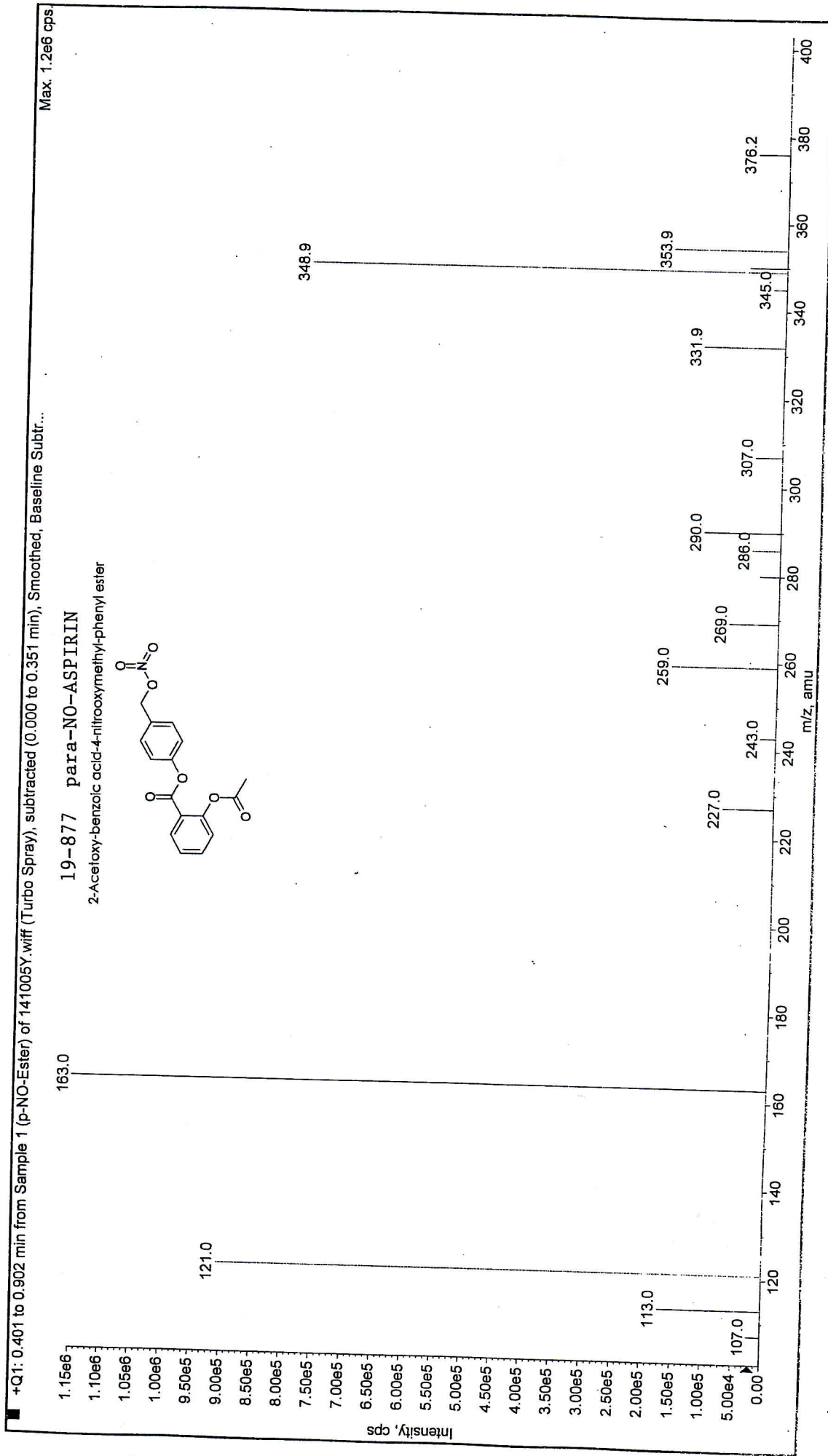
PKNO	ChNO	TIME	AREA	CONC
1	1	2.382	11762	0.0325
2	1	2.662	6190	0.0171
3	1	3.529	4828	0.0133
4	1	4.928	18165	0.0501
5	1	5.770	16324	0.0451
6	1	9.463	10924	0.0302
7	1	11.612	26307	0.0726
8	1	15.387	103194	0.2849
9	1	17.794	35879405	99.0415
10	1	23.013	149555	0.4128
			36226652	100.0000





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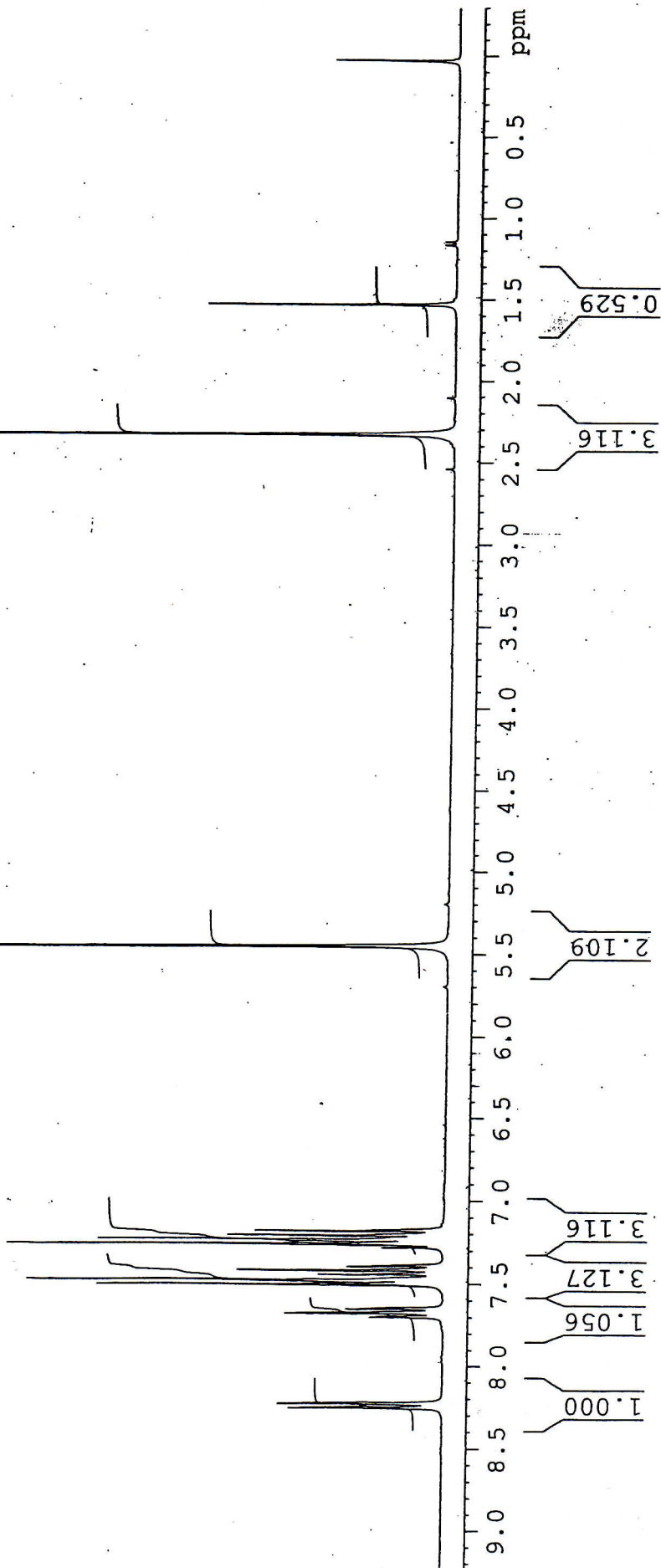
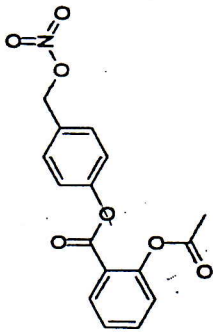
*SLS





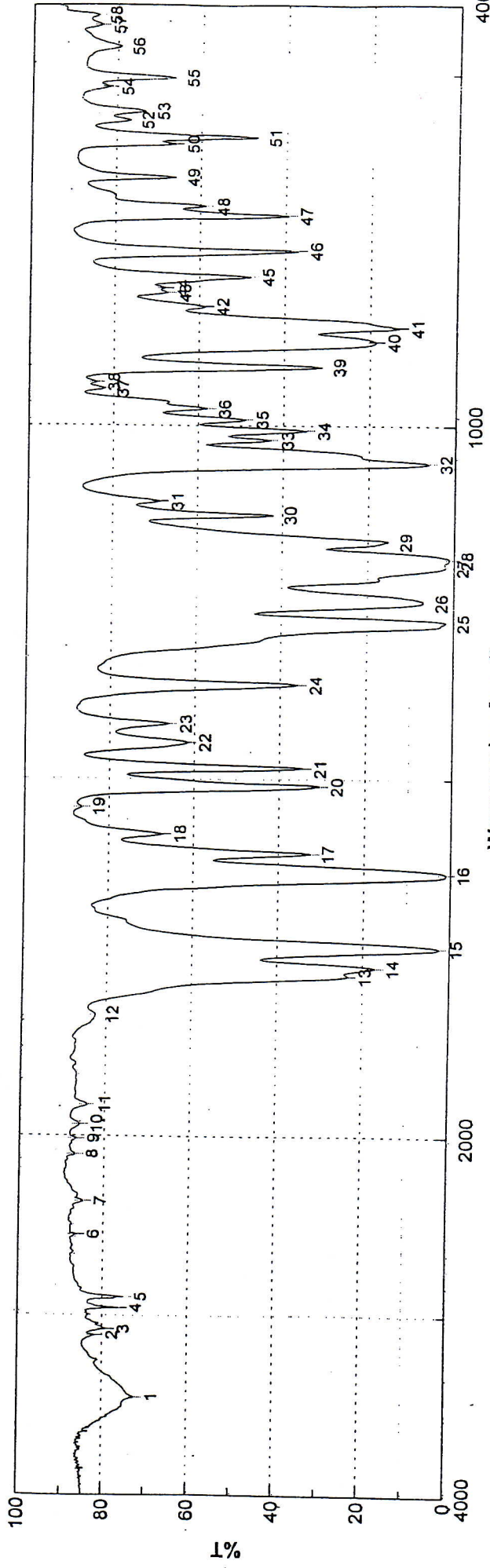
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19-877 para-NO-ASPIRIN
2-Acetoxy-benzoic acid-4-nitroxy(methyl)-phenyl ester

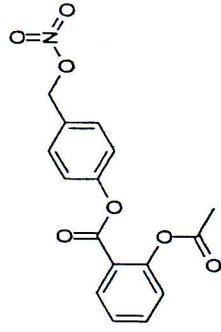




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19-877 para-NO-ASPIRIN
 2-Acetoxy-benzoic acid-4-nitrooxymethyl-phenyl ester



Resolution 4 cm-1
 Apodization Cosine
 Scanning Speed Auto (2 mm/sec)
 Update 10/14/05 5:31PM

16 ON
 Zero Filling Auto (2)
 Gain 10/14/05 5:27PM
 Operator RGV
 File Name 141005b
 Sample Name p-NO-Ester
 Comment KBr Pellet

No.	cm-1	%T	No.	cm-1	%T	No.	cm-1	%T	No.	cm-1	%T
1	3452.92	72.3715	2	3110.62	81.7537	4	2957.3	76.1575	5	2895.59	75.0275
6	2548.47	86.4718	7	2361.41	84.9225	9	2016.21	86.6482	10	1984.39	85.9209
11	1956.43	84.1581	12	1830.12	82.4933	14	1763.58	17.0967	15	1735.62	2.53197
16	1632.45	1.10212	17	1604.48	32.5869	19	1539.88	86.4488	20	1509.99	30.6307
21	1484.92	34.5807	22	1448.28	61.5117	24	1367.28	35.8415	25	1278.57	1.82357
26	1249.65	6.96342	27	1199.51	2.08021	29	1163.83	15.2203	30	1126.22	42.1482
31	1106.94	68.7665	32	1052.94	6.19482	34	1006.66	34.7098	35	991.232	49.0448
36	975.804	57.8339	37	947.841	81.8495	39	916.986	31.1769	40	881.309	18.5767
41	861.06	13.0119	42	831.169	58.5075	44	805.135	68.0279	45	788.743	48.0294
46	752.102	36.9168	47	701.962	39.3288	49	647.965	65.8015	50	599.753	65.9237
51	590.111	46.7515	52	566.005	76.6738	54	517.793	81.5405	55	504.294	66.2695
56	459.939	79.1651	57	429.084	83.7378						



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METTLER TOLEDO

DL31

SRN 5126103698 V2.12 Titrator ID
 12:18 User

KF determination

Method No.	1	Titrant	1-comp 5
	12:32	Conc. [mg/mL]	5.8283
Title	KF-STD	Burette	5 mL
Author			

Sample No.	1	Wait time [s]	0
ID		Blank [µg]	0.0
Mass [g]	0.5060	Drift [µg/min]	19.0
Speed [%]	35	Consumpn [mL]	0.0475
Mix time [s]	10	Duration [min]	4:13
Predisp. [mL]	0.0000	Termination	Rel. drift

R = 0.0389 %

METTLER TOLEDO

DL31

SRN 5126103698 V2.12 Titrator ID
 12:21 User

KF determination

Method No.	1	Titrant	1-comp 5
	12:32	Conc. [mg/mL]	5.8283
Title	KF-STD	Burette	5 mL
Author			

10/14/2005	12:20	Wait time [s]	0
Sample No.	2	Blank [µg]	0.0
ID		Drift [µg/min]	19.0
Mass [g]	0.5290	Consumpn [mL]	0.0570
Speed [%]	35	Duration [min]	2:17
Mix time [s]	10	Termination	Rel. drift
Predisp. [mL]	0.0000		

R = 0.0546 %

R = 0.046% w/w