台灣檢驗科技股份有限公司
SGS Taiwan Ltd.

染/燙髮劑第二劑成份含量測試結果表

分析人員/日期：Money/2022.10.27 13:59 審核人員/日期：

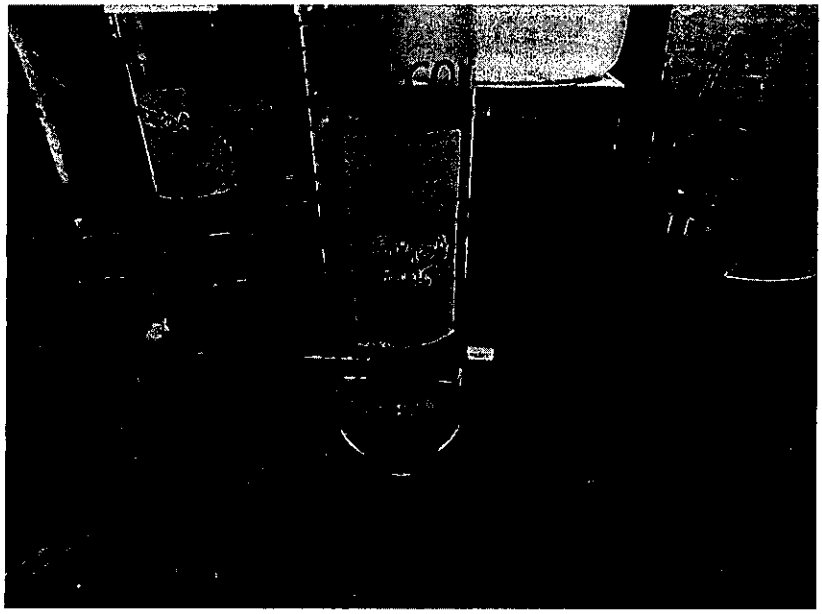
報告號碼		PUG22A00515						
測試項目	測試結果	測試值	測試值	測試值	測試值	測試值	標準品	判定結果
性狀(外觀)	狀態呈色						Hydrogen peroxide	Positive
鑑別	Hydrogen peroxide	Negative						
pH	pH值	6.45					pH 校正靈敏度	Metrohm 888
		6.45					pH 2 & 7 & 12 Slope	96.9
		6.45					-	
	平均	6.4					pH確認(4.0)	4
	CV值 (%)	0.00					pH確認(10.0)	9.996
H_2O_2	樣品取樣量1(g)	0.2166					查核樣品	CK111027
	樣品取樣量2(g)	0.2041					STD標準濃度(%)	32.5
	0.1N KMnO4滴定體積 1 (mL)	0.0643					STD取樣量 (g)	0.0294 / 0.0352
	0.1N KMnO4滴定體積 2 (mL)	0.0610					0.1N $KMnO_4$滴定體積	5.6474 / 6.7470
	樣品濃度 1 (%) (W/W)	0.050					查核樣品濃度 (%)(W/V)	32.67 / 32.60
	樣品濃度 2 (%) (W/W)	0.051					平均濃度(%)	32.64
	平均濃度(%)	0.050					回收率(%)	100.32
	CV值 (%)	0.48					Factor	0.9957

試藥名稱		試藥編號	廠牌/批號	溶液濃度(N)	CV值 (%)	STDEV / AVGERAGE x 100%
$KMnO_4$		20220511-026	SIGMA-ALORICH /RD-35186-1L	0.1		
pH	2	20210126-008	Honeywell/K2050	-	H2O2 (%) (W/W)=	0.1N KMnO4 消耗量(mL) x 0.001701 xFactor /樣品取樣量(g)x 100
	4	20220207-001	J.T.Baker/2118005810	-		
	7	20210818-002	Thermo Fisher/N22H012	-		
	10	20210823-015	Thermo Fishe/N10H024	-		
	12	20200701-005	Ridel-Dehaen/J2970	-		

Hydrogen peroxide 之鑑別測試

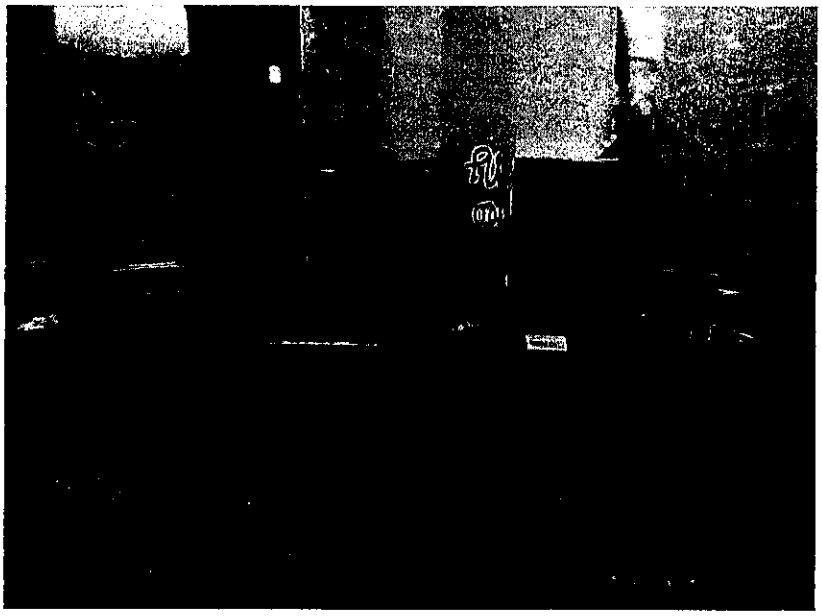
鑑別結果:PUG22A00515 (-)

樣品溶液滴入兩滴濃硫酸,使溶液酸化



Money 2022. 10.27
14:00

溶液再加入乙醚及重鉻酸鉀溶液,待溶液靜置分層,乙醚層未顯現藍色,



Calibration report

Determination

Method . . . . . PH-CAL 7.2.12
Method saving date . . . . . 2018-08-04 12:48:46 UTC+8
Method version 41
Method state . . . . . original
Determination ID . . . . . -3493df28:18408144175:-7a9c
Determination start . . . . . 2022-10-27 11:03:44 UTC+8
Determination state . . . . . original
Determination version 1
Run number 6
User (full name) . . . . . .
User (short name) . . . . . Money

Sample data

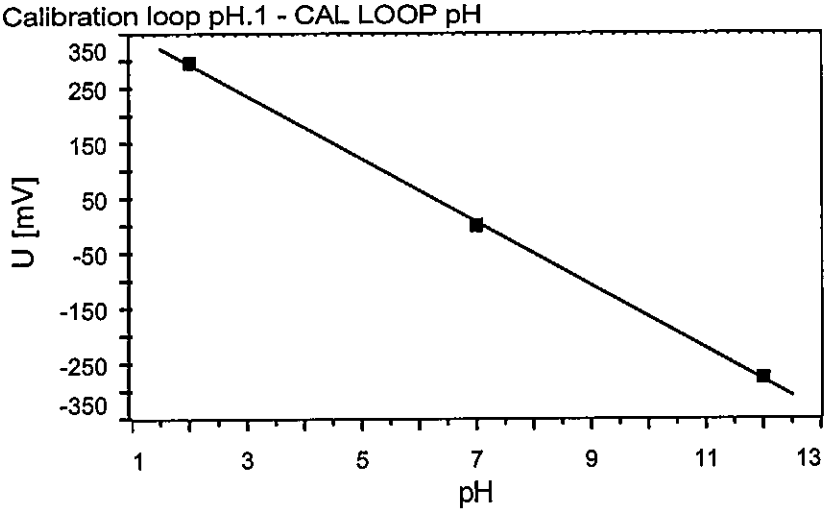
Sample Identification 1 . . . . . CAL
Sample size . . . . . 1.0 g

CAL LOOP pH **Calibration loop pH.1**

Sensor name . . . . . pH electrode
Sensor type . . . . . pH electrode
pH(0) 7.105
Slope . . . . . 96.9 %
Variance 65.189
Calibration temperature . . . . . (manual) . . . . . 25.0 °C
Calibration date . . . . . 2022-10-27 11:06:50 UTC+8
Calibration method . . . . . PH-CAL 7.2.12

	pH	U [mV]	T [°C]	t [s]
Buffer 1	7.000	-0.6	25.0	10
Buffer 2	2.000	295.8	25.0	32
Buffer 3	12.000	-277.2	25.0	17

Calibration loop pH.1 - CAL LOOP pH



Results report

Determination

Method	pH SA
Method saving date	2018-09-22 16:33:09 UTC+8
Method version	74
Method state	modified (live)
Determination start	2022-10-27 11:24:16 UTC+8
Determination state	original
Determination version	1
Run number	13
User (full name)	
User (short name)	Money

Sample data

ID1	pH4.0
ID2	
ID3	6.0262.100
Sample size	1.0 g

End points

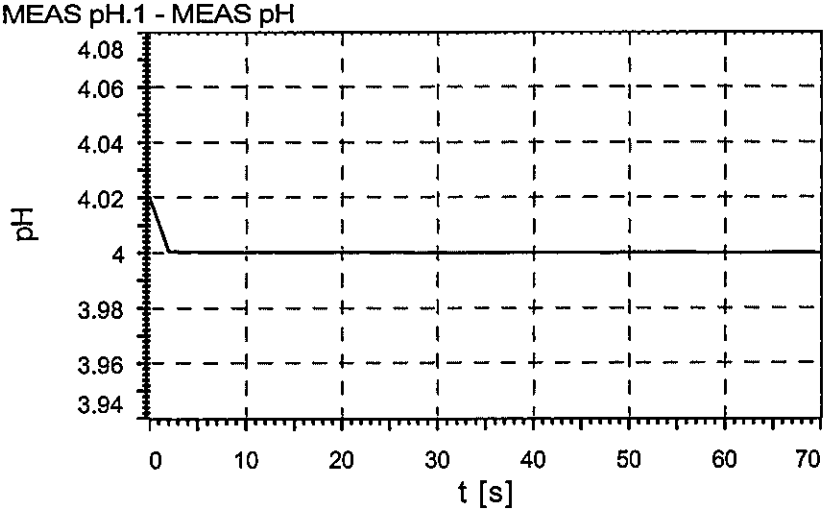
MEAS pH **MEAS pH.1**

EME . . . . . 4.000 pH . . . . . .

Results

PH **4.00**

MEAS pH.1 - MEAS pH



Metrohm

Results report

Determination

Method	pH SA
Method saving date	2018-09-22 16:33:09 UTC+8
Method version	74
Method state	modified (live)
Determination start	2022-10-27 11:17:20 UTC+8
Determination state	original
Determination version	1
Run number	11
User (full name)	
User (short name)	Money

Sample data

ID1	pH10.0
ID2	
ID3	6.0262.100
Sample size	1.0 g

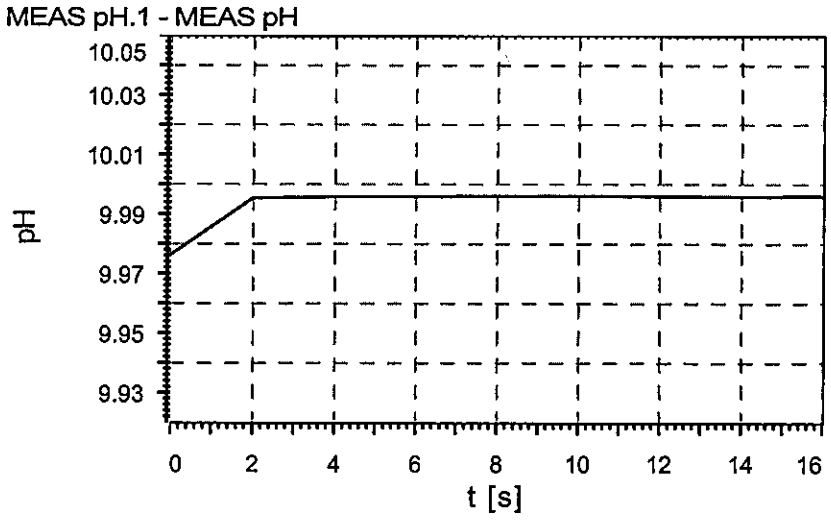
End points

MEAS pH **MEAS pH.1**

EME . . . . . 9.996 pH . . . . . .

Results

PH **10.00**



Metrohm

Results report

Determination

Method	pH SA
Method saving date	2018-09-22 16:33:09 UTC+8
Method version	74
Method state	modified (live)
Determination start	2022-10-27 12:00:47 UTC+8
Determination state	original
Determination version	1
Run number	23
User (full name)	
User (short name)	Money

Sample data

ID1	pH7.0
ID2	
ID3	6.0262.100
Sample size	1.0 g

End points

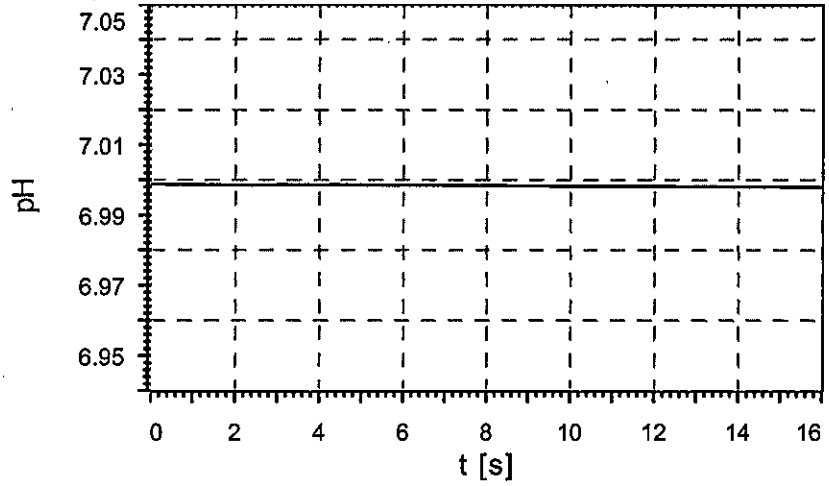
MEAS pH **MEAS pH.1**

EME . . . . . 6.998 pH . . . . . .

Results

PH **7.00**

MEAS pH.1 - MEAS pH



Results report

Determination

Method	pH SA
Method saving date	2018-09-22 16:33:09 UTC+8
Method version	74
Method state	modified (live)
Determination start	2022-10-27 12:00:27 UTC+8
Determination state	original
Determination version	1
Run number	22
User (full name)	
User (short name)	Money

Sample data

ID1	pH7.0
ID2	
ID3	6.0262.100
Sample size	1.0 g

End points

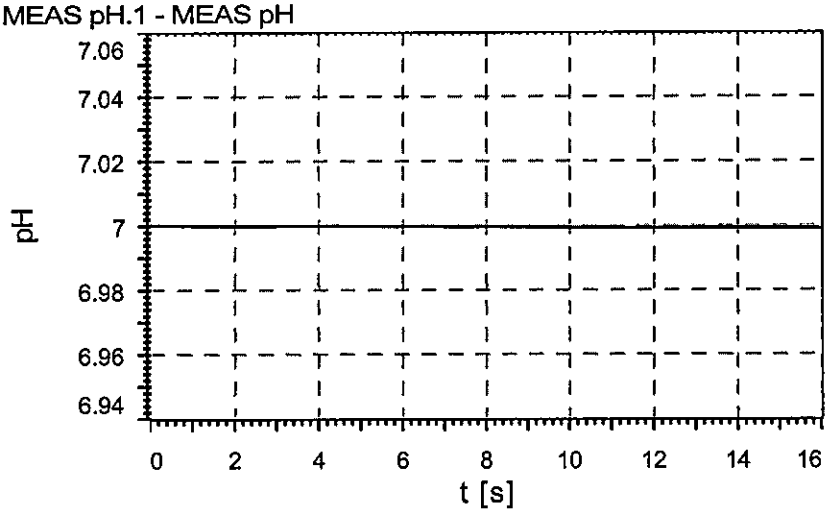
MEAS pH **MEAS pH.1**

EME . . . . . 6.999 pH . . . . . .

Results

PH **7.00**

MEAS pH.1 - MEAS pH



Metrohm

Results report

Determination

Method . . . . . pH SA
Method saving date . . . . . 2018-09-22 16:33:09 UTC+8
Method version 74
Method state . . . . . modified (live)
Determination start . . . . . 2022-10-27 11:54:57 UTC+8
Determination state . . . . . original
Determination version 1
Run number 20
User (full name) . . . . . .
User (short name) . . . . . Money

Sample data

ID1 . . . . . PUG22A00515
ID2 . . . . . .
ID3 . . . . . 6.0262.100
Sample size . . . . . 1.0 g

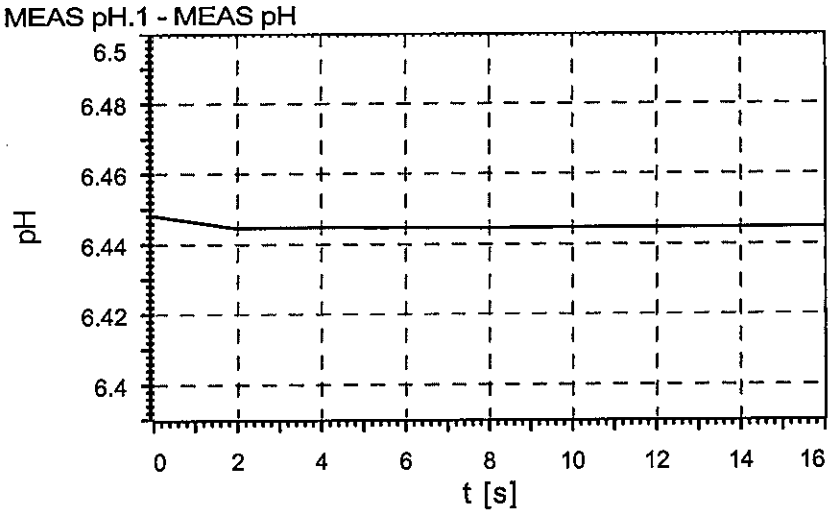
End points

MEAS pH **MEAS pH.1**

EME . . . . . 6.445 pH . . . . . .

Results

PH **6.44**



Results report

Determination

Method	pH SA
Method saving date	2018-09-22 16:33:09 UTC+8
Method version	74
Method state	modified (live)
Determination start	2022-10-27 11:54:36 UTC+8
Determination state	original
Determination version	1
Run number	19
User (full name)	
User (short name)	Money

Sample data

ID1	PUG22A00515
ID2	
ID3	6.0262.100
Sample size	1.0 g

End points

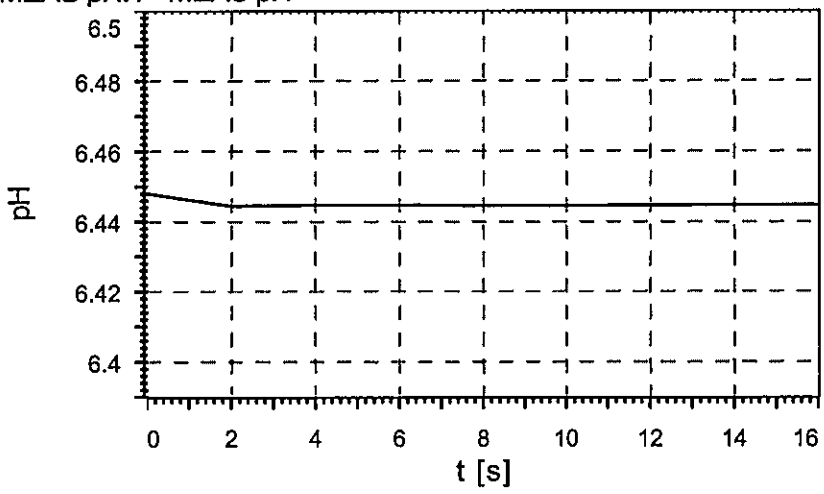
MEAS pH **MEAS pH.1**

EME . . . . . 6.445 pH . . . . . .

Results

PH **6.44**

MEAS pH.1 - MEAS pH



Results report

Determination

Method	pH SA
Method saving date	2018-09-22 16:33:09 UTC+8
Method version	74
Method state	modified (live)
Determination start	2022-10-27 11:54:16 UTC+8
Determination state	original
Determination version	1
Run number	18
User (full name)	
User (short name)	Money

Sample data

ID1	PUG22A00515
ID2	
ID3	6.0262.100
Sample size	1.0 g

End points

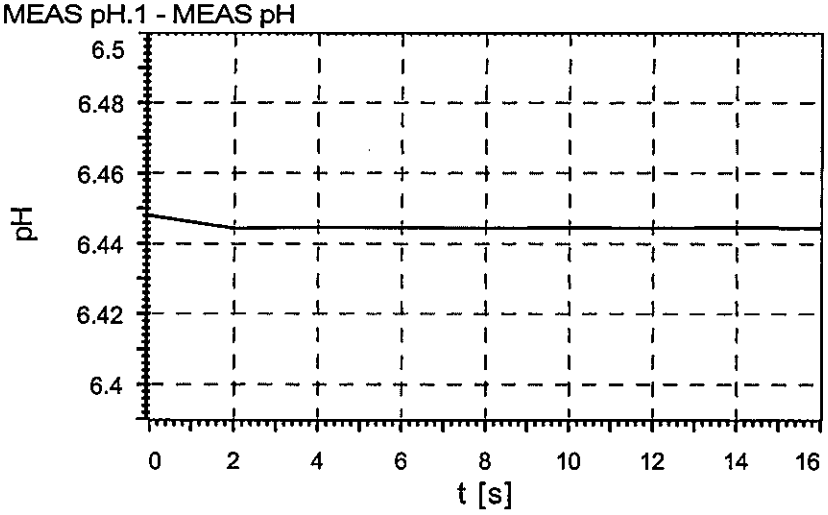
MEAS pH **MEAS pH.1**

EME . . . . . 6.445 pH . . . . . .

Results

PH **6.44**

MEAS pH.1 - MEAS pH



Metrohm

Results report

Determination

Method	H2O2
Method saving date	2022-03-15 10:47:38 UTC+8
Method version	21
Method state	original
Determination start	2022-10-27 09:40:44 UTC+8
Determination state	modified
Determination version	3
Run number	1
User (full name)	
User (short name)	Money

Sample data

ID1	QC
ID2	以0.1N KMnO4滴定
ID3	6.0451.100
Sample size	0.0294 g

End points

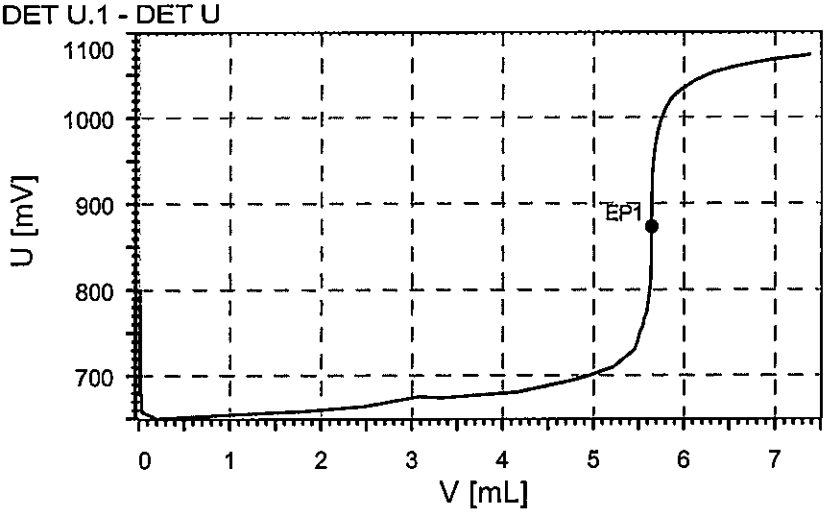
DET U **DET U.1**

EP1 . . . . . 873.0 mV . . . . . 5.6474 mL

Results

H2O2 . . . . . **32.67407 %**

DET U.1 - DET U



Results report

Determination

Method	H2O2
Method saving date	2022-03-15 10:47:38 UTC+8
Method version	21
Method state	original
Determination start	2022-10-27 09:59:12 UTC+8
Determination state	modified
Determination version	2
Run number	2
User (full name)	
User (short name)	Money

Sample data

ID1	QCR
ID2	以0.1N KMnO4滴定
ID3	6.0451.100
Sample size	0.0352 g

End points

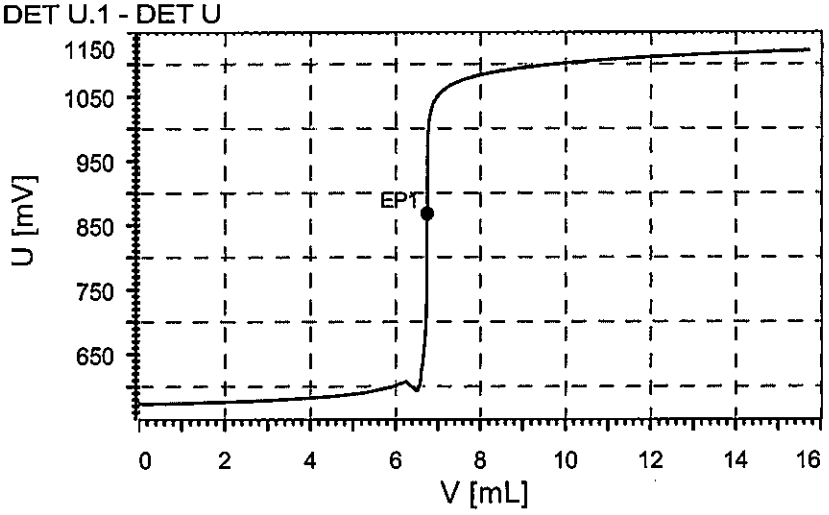
DET U **DET U.1**

EP1 867.9 mV 6.7470 mL

Results

H2O2 32.60394 %

DET U.1 - DET U



Metrohm

Results report

Determination

Method	H2O2
Method saving date	2022-03-15 10:47:38 UTC+8
Method version	21
Method state	original
Determination start	2022-10-27 10:26:24 UTC+8
Determination state	modified
Determination version	2
Run number	5
User (full name)	
User (short name)	Money

Sample data

ID1	PUG22A00515
ID2	以0.1N KMnO4滴定
ID3	6.0451.100
Sample size	0.2166 g

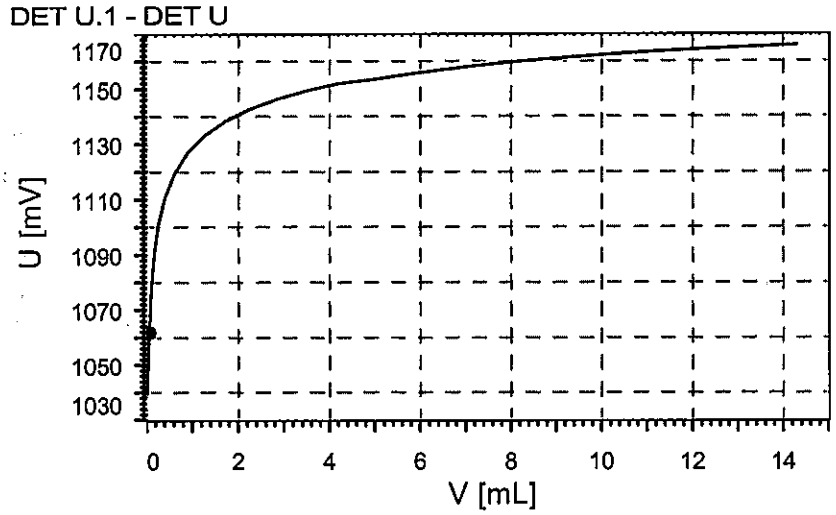
End points

DET U **DET U.1**

EP1	1061.7 mV	0.0643	mL

Results

H2O2	**0.05050**	**%**



Metrohm

Results report

Determination

Method	H2O2
Method saving date	2022-03-15 10:47:38 UTC+8
Method version	21
Method state	original
Determination start	2022-10-27 10:22:15 UTC+8
Determination state	original
Determination version	1
Run number	4
User (full name)	
User (short name)	Money

Sample data

ID1	PUG22A00515
ID2	以0.1N KMnO4滴定
ID3	6.0451.100
Sample size	0.2041 g

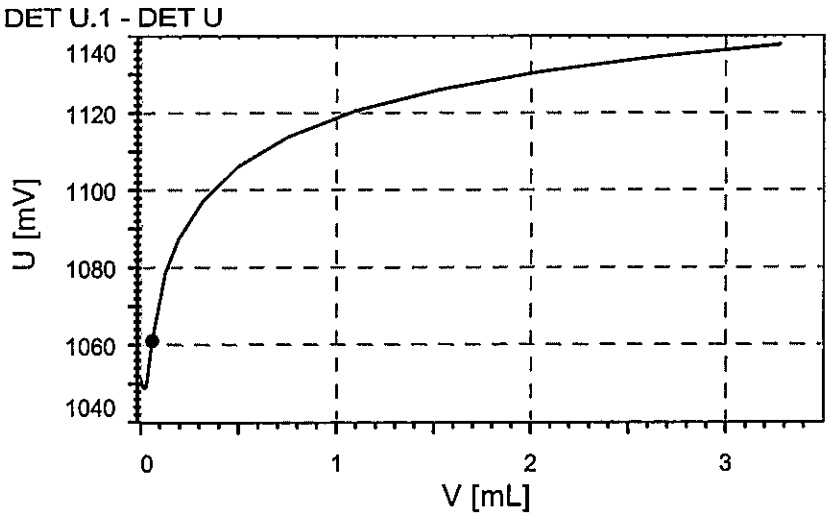
End points

DET U **DET U.1**

EP1	1061.1 mV	0.0610 mL

Results

H2O2	**0.05085 %**



Metrohm