



西德有機
Shitch Organic

漱口水之氟含量檢測報告

檢體編號	規格	結果	判定
P58215	氟化鈉(NaF)規格應介於 0.2%±10% 相當氟離子(F) 904ppm±10% (813.6~994.4ppm)	906	符合
P85225		901	符合
P58235		889	符合
P58245		894	符合
P58255		900	符合
P58265		892	符合
P58275		911	符合
P58285		905	符合
P58295		910	符合
P58305		911	符合
P58315		914	符合
P58325		908	符合
P58335		902	符合
P58345		901	符合
P58355		901	符合
P58365		894	符合
P58375		891	符合
P58385		902	符合
P58395		895	符合

Conclusion:

We Certify that the above analysis is true and correct and the results conformed to In-house specifications.



Compiled By/Date: yihui Lee / 2025.07.28 Approved By/Date: Cindy deng / 2025.07.28
Supervisor of QC Dept. Supervisor of QM Dept.



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漱口水之氟含量檢測程序與紀錄

1 檢測方法

含氟漱口水主要成分「氟離子濃度」係以氟電極棒 pHoenis Co.Fluoride and sodium ion selective electrodes(ISE) with EUTECH ION 2700/pH/mV/Temp meter 檢測。

2 試藥資訊

藥品名稱	有效期:
1000 ppm 氟離子標準液(F00ASO2)	2027.05.02
Fluoride ISA Tisab1(F00ISO1)	2026.12.30

3 儀器電極校正

2.1 校正程序

- (1) 1000ppm 氟離子標準液(F00ASO2)
- (2) 100ppm 氟離子標準液取 1000 ppm 氟離子標準液(F00ASO2)10ml 加水定量至 100ml。
- (3) 10ppm 氟離子標準液取 100 ppm 氟離子標準液(F00ASO2)10ml 加水定量至 100ml。
- (4) 以 10ppm、100ppm、1000ppm 各 2.5ml 及各加 2.5ml Fluoride ISA Tisab1(F00ISO1) 溶液並充分攪拌，進行電極校正，當顯示穩定讀數時，並列印數據。

(5) 校正合格標準:

前後兩者相差十倍濃度之 Slope(mv)讀數應在 -54 至 -60 mV 的差異。

(6) 紀錄

Ion Values		Slope
10ppm	100ppm	-59.0
100ppm	1000ppm	-58.3

操作者/日期: 林素鈴
2025.07.25



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2.2 回測校正

(1) 以 10ppm、100ppm、1000ppm 各 2.5ml 及各加 2.5ml Fluoride ISA

Tisab1(F00ISO1)溶液並充分攪拌，進行檢測，當顯示穩定讀數時，並列印數據。

分別測量 10、100、1000ppm 三點之 ppm 值

(2) 合格標準:容差 $\pm 3\%$

(3) 紀錄

校正檢量線	10ppm	100ppm	1000ppm
回測校正值	10.00 ppm	102 ppm	1000 ppm
合格標準 容差 $\pm 3\%$	9.7~10.3	97~103	970~1030
判定	<input checked="" type="checkbox"/> 合格 <input type="checkbox"/> 不合格	<input checked="" type="checkbox"/> 合格 <input type="checkbox"/> 不合格	<input checked="" type="checkbox"/> 合格 <input type="checkbox"/> 不合格

操作者/日期: 林素鈴
2023-07-25

2.3 檢品檢測

每批(瓶)漱口水檢品各取 2.5mL，加入 2.5mL Fluoride ISA Tisab1(F00ISO1)，並充分攪拌，進行檢測，當顯示穩定讀數時，並列印數據。(三重覆)



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檢體批號	ppm			平均值(ppm)
P58215	902	902	913	906
P85225	892	902	910	901
P58235	881	888	899	889
P58245	888	895	899	894
P58255	895	899	906	900
P58265	888	892	895	892
P58275	910	906	917	911
P58285	906	902	906	905
P58295	913	910	906	910
P58305	910	906	917	911
P58315	913	910	920	914
P58325	902	913	910	908
P58335	906	902	899	902
P58345	902	899	902	901
P58355	895	902	906	901
P58365	888	899	895	894
P58375	892	888	892	891
P58385	899	902	906	902
P58395	892	895	899	895

以上檢品之產品氟化鈉(NaF)規格應介於 0.2%±10%、相當氟離子(F)904ppm±10%(813.6~994.4ppm)

檢測者/日期: 林素鈴
2015.07.25



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漱口水之氟含量檢測程序與紀錄

原始數據黏貼處:

ThermoFisher Scientific

Meter Model : ION 2700
Serial No : 2721131
Operator ID : _____

Signature :

pH Calibration Data

Not Calibrated .

mV Calibration Data

Not Calibrated .

Ion Calibration Data

Last Cal Date&Time:
25-07-25 , 13:59:08

Ion Values	Slope
10	-59.0 mV
100	-58.3 mV
1000	

Measurement Data

- 1) 25-07-25 , 14:13:01
Mode-Ion,Sample ID: 0
1000 ppm,-181.6 mV
21.8 C ATC
- 2) 25-07-25 , 14:17:09
Mode-Ion,Sample ID: 0
102 ppm,-123.9 mV
21.8 C ATC
- 3) 25-07-25 , 14:24:28
Mode-Ion,Sample ID: 0
10.00 ppm,-64.3 mV
21.9 C ATC

p58215

- 4) 25-07-25 , 15:40:47
Mode-Ion,Sample ID: 0
902 ppm,-179.0 mV
21.7 C ATC
- 5) 25-07-25 , 15:43:21
Mode-Ion,Sample ID: 0
902 ppm,-179.0 mV
21.7 C ATC
- 6) 25-07-25 , 15:47:52
Mode-Ion,Sample ID: 0
913 ppm,-179.3 mV
21.8 C ATC
- 7) 25-07-25 , 15:49:00
Mode-Ion,Sample ID: 0
892 ppm,-178.7 mV
21.8 C ATC
- 8) 25-07-25 , 15:50:28
Mode-Ion,Sample ID: 0
902 ppm,-179.0 mV
21.8 C ATC
- 9) 25-07-25 , 15:52:00
Mode-Ion,Sample ID: 0
910 ppm,-179.2 mV
21.7 C ATC
- 10) 25-07-25 , 15:53:27
Mode-Ion,Sample ID: 0
881 ppm,-178.4 mV
21.6 C ATC
- 11) 25-07-25 , 15:54:14
Mode-Ion,Sample ID: 0
888 ppm,-178.6 mV
21.6 C ATC
- 12) 25-07-25 , 15:55:48
Mode-Ion,Sample ID: 0
899 ppm,-178.9 mV
21.6 C ATC

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- 13) 25-07-25 , 15:58:02
Mode-Ion,Sample ID: 0
888 ppm,-178.6 mV
21.7 C ATC
- 14) 25-07-25 , 15:59:37
Mode-Ion,Sample ID: 0
895 ppm,-178.8 mV
21.7 C ATC
- 15) 25-07-25 , 16:00:32
Mode-Ion,Sample ID: 0
899 ppm,-178.9 mV
21.7 C ATC
- 16) 25-07-25 , 16:02:45
Mode-Ion,Sample ID: 0
895 ppm,-178.8 mV
21.6 C ATC
- 17) 25-07-25 , 16:03:49
Mode-Ion,Sample ID: 0
899 ppm,-178.9 mV
21.7 C ATC
- 18) 25-07-25 , 16:05:17
Mode-Ion,Sample ID: 0
906 ppm,-179.1 mV
21.7 C ATC
- 19) 25-07-25 , 16:06:41
Mode-Ion,Sample ID: 0
888 ppm,-178.6 mV
21.7 C ATC
- 20) 25-07-25 , 16:07:36
Mode-Ion,Sample ID: 0
892 ppm,-178.7 mV
21.7 C ATC
- 21) 25-07-25 , 16:09:03
Mode-Ion,Sample ID: 0
895 ppm,-178.8 mV
21.7 C ATC

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漱口水之氟含量檢測程序與紀錄

原始數據黏貼處:

p58-275

- 22) 25-07-25 , 16:11:04
Mode-Ion, Sample ID: 0
910 ppm, -179.2 mV
21.8 C ATC
- 23) 25-07-25 , 16:12:21
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.7 C ATC
- 24) 25-07-25 , 16:14:19
Mode-Ion, Sample ID: 0
917 ppm, -179.4 mV
21.6 C ATC
- 25) 25-07-25 , 16:15:53
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.5 C ATC
- 26) 25-07-25 , 16:17:28
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.6 C ATC
- 27) 25-07-25 , 16:18:41
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.6 C ATC
- 28) 25-07-25 , 16:19:53
Mode-Ion, Sample ID: 0
913 ppm, -179.3 mV
21.7 C ATC
- 29) 25-07-25 , 16:20:33
Mode-Ion, Sample ID: 0
910 ppm, -179.2 mV
21.6 C ATC
- 30) 25-07-25 , 16:21:31
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.7 C ATC

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p58-305

- 31) 25-07-25 , 16:22:59
Mode-Ion, Sample ID: 0
910 ppm, -179.2 mV
21.7 C ATC
- 32) 25-07-25 , 16:24:18
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.8 C ATC
- 33) 25-07-25 , 16:27:30
Mode-Ion, Sample ID: 0
917 ppm, -179.4 mV
21.8 C ATC
- 34) 25-07-25 , 16:28:35
Mode-Ion, Sample ID: 0
913 ppm, -179.3 mV
21.8 C ATC
- 35) 25-07-25 , 16:29:31
Mode-Ion, Sample ID: 0
910 ppm, -179.2 mV
21.8 C ATC
- 36) 25-07-25 , 16:31:50
Mode-Ion, Sample ID: 0
920 ppm, -179.5 mV
21.8 C ATC
- 37) 25-07-25 , 16:33:06
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.8 C ATC
- 38) 25-07-25 , 16:34:03
Mode-Ion, Sample ID: 0
913 ppm, -179.3 mV
21.7 C ATC
- 39) 25-07-25 , 16:35:54
Mode-Ion, Sample ID: 0
910 ppm, -179.2 mV
21.7 C ATC

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p58-335

- 40) 25-07-25 , 16:37:09
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.8 C ATC
- 41) 25-07-25 , 16:38:05
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.8 C ATC
- 42) 25-07-25 , 16:39:55
Mode-Ion, Sample ID: 0
899 ppm, -178.9 mV
21.7 C ATC
- 43) 25-07-25 , 16:40:48
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.8 C ATC
- 44) 25-07-25 , 16:41:35
Mode-Ion, Sample ID: 0
899 ppm, -178.9 mV
21.8 C ATC
- 45) 25-07-25 , 16:42:45
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.8 C ATC
- 46) 25-07-25 , 16:43:48
Mode-Ion, Sample ID: 0
895 ppm, -178.8 mV
21.8 C ATC
- 47) 25-07-25 , 16:44:44
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.8 C ATC
- 48) 25-07-25 , 16:50:23
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.6 C ATC

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漱口水之氟含量檢測程序與紀錄

原始數據黏貼處:

P58-365

- 49) 25-07-25 , 16:52:06
Mode-Ion, Sample ID: 0
888 ppm, -178.6 mV
21.7 C ATC
- 50) 25-07-25 , 16:53:46
Mode-Ion, Sample ID: 0
899 ppm, -178.9 mV
21.8 C ATC
- 51) 25-07-25 , 16:55:12
Mode-Ion, Sample ID: 0
895 ppm, -178.8 mV
21.7 C ATC
- 52) 25-07-25 , 16:56:38
Mode-Ion, Sample ID: 0
892 ppm, -178.7 mV
21.7 C ATC
- 53) 25-07-25 , 16:58:04
Mode-Ion, Sample ID: 0
888 ppm, -178.6 mV
21.6 C ATC
- 54) 25-07-25 , 16:59:16
Mode-Ion, Sample ID: 0
892 ppm, -178.7 mV
21.6 C ATC
- 55) 25-07-25 , 17:00:05
Mode-Ion, Sample ID: 0
899 ppm, -178.9 mV
21.6 C ATC
- 56) 25-07-25 , 17:01:18
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.7 C ATC
- 57) 25-07-25 , 17:03:02
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.7 C ATC

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P58-395

- 58) 25-07-25 , 17:03:48
Mode-Ion, Sample ID: 0
892 ppm, -178.7 mV
21.6 C ATC
- 59) 25-07-25 , 17:04:46
Mode-Ion, Sample ID: 0
895 ppm, -178.8 mV
21.7 C ATC
- 60) 25-07-25 , 17:07:00
Mode-Ion, Sample ID: 0
899 ppm, -178.9 mV
21.6 C ATC

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漱口水之氟含量檢測程序與紀錄

原始數據黏貼處:

ThermoFisher Scientific

Meter Model : ION 2700
Serial No : 2721131
Operator ID : _____

Signature : _____

pH Calibration Data

Not Calibrated .

mV Calibration Data

Not Calibrated .

Ion Calibration Data

Last Cal Date&Time:
25-07-25 , 13:59:08

Ion Values	Slope
10	
100	-59.0 mV
1000	-58.3 mV

Measurement Data

- 1) 25-07-25 , 14:13:01
Mode-Ion, Sample ID: 0
1000 ppm, -181.6 mV
21.8 C ATC
- 2) 25-07-25 , 14:17:09
Mode-Ion, Sample ID: 0
102 ppm, -123.9 mV
21.8 C ATC
- 3) 25-07-25 , 14:24:28
Mode-Ion, Sample ID: 0
10.00 ppm, -64.3 mV
21.9 C ATC

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- 4) 25-07-25 , 15:40:47
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.7 C ATC
- 5) 25-07-25 , 15:43:21
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.7 C ATC
- 6) 25-07-25 , 15:47:52
Mode-Ion, Sample ID: 0
913 ppm, -179.3 mV
21.8 C ATC
- 7) 25-07-25 , 15:49:00
Mode-Ion, Sample ID: 0
892 ppm, -178.7 mV
21.8 C ATC
- 8) 25-07-25 , 15:50:28
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.8 C ATC
- 9) 25-07-25 , 15:52:00
Mode-Ion, Sample ID: 0
910 ppm, -179.2 mV
21.7 C ATC
- 10) 25-07-25 , 15:53:27
Mode-Ion, Sample ID: 0
881 ppm, -178.4 mV
21.6 C ATC

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p58245

- 13) 25-07-25 , 15:58:02
Mode-Ion, Sample ID: 0
888 ppm, -178.6 mV
21.7 C ATC
- 14) 25-07-25 , 15:59:37
Mode-Ion, Sample ID: 0
895 ppm, -178.8 mV
21.7 C ATC
- 15) 25-07-25 , 16:00:32
Mode-Ion, Sample ID: 0
899 ppm, -178.9 mV
21.7 C ATC
- 16) 25-07-25 , 16:02:45
Mode-Ion, Sample ID: 0
895 ppm, -178.8 mV
21.6 C ATC
- 17) 25-07-25 , 16:03:49
Mode-Ion, Sample ID: 0
899 ppm, -178.9 mV
21.7 C ATC
- 18) 25-07-25 , 16:05:17
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.7 C ATC
- 19) 25-07-25 , 16:06:41
Mode-Ion, Sample ID: 0
888 ppm, -178.6 mV
21.7 C ATC
- 20) 25-07-25 , 16:07:36
Mode-Ion, Sample ID: 0
892 ppm, -178.7 mV
21.7 C ATC
- 21) 25-07-25 , 16:09:03
Mode-Ion, Sample ID: 0
895 ppm, -178.8 mV
21.7 C ATC

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漱口水之氟含量檢測程序與紀錄

原始數據黏貼處:

p58-275

- 22) 25-07-25 , 16:11:04
Mode-Ion, Sample ID: 0
910 ppm, -179.2 mV
21.8 C ATC
- 23) 25-07-25 , 16:12:21
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.7 C ATC
- 24) 25-07-25 , 16:14:19
Mode-Ion, Sample ID: 0
917 ppm, -179.4 mV
21.6 C ATC
- 25) 25-07-25 , 16:15:53
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.5 C ATC
- 26) 25-07-25 , 16:17:28
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.6 C ATC
- 27) 25-07-25 , 16:18:41
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.6 C ATC
- 28) 25-07-25 , 16:19:53
Mode-Ion, Sample ID: 0
913 ppm, -179.3 mV
21.7 C ATC
- 29) 25-07-25 , 16:20:33
Mode-Ion, Sample ID: 0
910 ppm, -179.2 mV
21.6 C ATC
- 30) 25-07-25 , 16:21:31
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.7 C ATC

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p58-305

- 31) 25-07-25 , 16:22:59
Mode-Ion, Sample ID: 0
910 ppm, -179.2 mV
21.7 C ATC
- 32) 25-07-25 , 16:24:18
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.8 C ATC
- 33) 25-07-25 , 16:27:30
Mode-Ion, Sample ID: 0
917 ppm, -179.4 mV
21.8 C ATC
- 34) 25-07-25 , 16:28:35
Mode-Ion, Sample ID: 0
913 ppm, -179.3 mV
21.8 C ATC
- 35) 25-07-25 , 16:29:31
Mode-Ion, Sample ID: 0
910 ppm, -179.2 mV
21.8 C ATC
- 36) 25-07-25 , 16:31:50
Mode-Ion, Sample ID: 0
920 ppm, -179.5 mV
21.8 C ATC
- 37) 25-07-25 , 16:33:06
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.8 C ATC
- 38) 25-07-25 , 16:34:03
Mode-Ion, Sample ID: 0
913 ppm, -179.3 mV
21.7 C ATC
- 39) 25-07-25 , 16:35:54
Mode-Ion, Sample ID: 0
910 ppm, -179.2 mV
21.7 C ATC

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p58-335

- 40) 25-07-25 , 16:37:09
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.8 C ATC
- 41) 25-07-25 , 16:38:05
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.8 C ATC
- 42) 25-07-25 , 16:39:55
Mode-Ion, Sample ID: 0
899 ppm, -178.9 mV
21.7 C ATC
- 43) 25-07-25 , 16:40:48
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.8 C ATC
- 44) 25-07-25 , 16:41:35
Mode-Ion, Sample ID: 0
899 ppm, -178.9 mV
21.8 C ATC
- 45) 25-07-25 , 16:42:45
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.8 C ATC
- 46) 25-07-25 , 16:43:48
Mode-Ion, Sample ID: 0
895 ppm, -178.8 mV
21.8 C ATC
- 47) 25-07-25 , 16:44:44
Mode-Ion, Sample ID: 0
902 ppm, -179.0 mV
21.8 C ATC
- 48) 25-07-25 , 16:50:23
Mode-Ion, Sample ID: 0
906 ppm, -179.1 mV
21.6 C ATC

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漱口水之氟含量檢測程序與紀錄

原始數據黏貼處:

P58-365

49) 25-07-25 , 16:52:06
Mode-Ion,Sample ID: 0
888 ppm,-178.6 mV
21.7 C ATC

50) 25-07-25 , 16:53:46
Mode-Ion,Sample ID: 0
899 ppm,-178.9 mV
21.8 C ATC

51) 25-07-25 , 16:55:12
Mode-Ion,Sample ID: 0
895 ppm,-178.8 mV
21.7 C ATC

P58-375
52) 25-07-25 , 16:56:38
Mode-Ion,Sample ID: 0
892 ppm,-178.7 mV
21.7 C ATC

53) 25-07-25 , 16:58:04
Mode-Ion,Sample ID: 0
888 ppm,-178.6 mV
21.6 C ATC

54) 25-07-25 , 16:59:16
Mode-Ion,Sample ID: 0
892 ppm,-178.7 mV
21.6 C ATC

P58-385
55) 25-07-25 , 17:00:05
Mode-Ion,Sample ID: 0
899 ppm,-178.9 mV
21.6 C ATC

56) 25-07-25 , 17:01:18
Mode-Ion,Sample ID: 0
902 ppm,-179.0 mV
21.7 C ATC

57) 25-07-25 , 17:03:02
Mode-Ion,Sample ID: 0
906 ppm,-179.1 mV
21.7 C ATC

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P58-395

58) 25-07-25 , 17:03:48
Mode-Ion,Sample ID: 0
892 ppm,-178.7 mV
21.6 C ATC

59) 25-07-25 , 17:04:46
Mode-Ion,Sample ID: 0
895 ppm,-178.8 mV
21.7 C ATC

60) 25-07-25 , 17:07:00
Mode-Ion,Sample ID: 0
899 ppm,-178.9 mV
21.6 C ATC

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