

漱口水之氟含量檢測報告

檢體編號	規格	結果	判定
P58216	氟化鈉(NaF)規格應介 於 0.2%±10% 相當氟離子(F) 904ppm±10% (813.6~994.4ppm)	887	符合
P58226		874	符合
P58236		865	符合
P58246		863	符合
P58256		869	符合
P58266		868	符合
P58276		883	符合
P58286		877	符合
P58296		873	符合
P58306		882	符合
P58316		879	符合
P58326		877	符合
P58336		883	符合
P58346		880	符合
P58356		869	符合
P58366		867	符合
P58376		877	符合
P58386		881	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 / 2026.07.28 Approved By/Date: Cindy deng / 2026.07.28
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

檢體批號	ppm			平均值(ppm)
P58216	866	897	897	887
P58226	873	876	873	874
P58236	866	866	863	865
P58246	859	863	866	863
P58256	873	869	866	869
P58266	863	873	869	868
P58276	886	883	880	883
P58286	876	880	876	877
P58296	876	869	873	873
P58306	876	883	886	882
P58316	873	880	883	879
P58326	883	876	873	877
P58336	886	883	880	883
P58346	883	876	880	880
P58356	866	873	869	869
P58366	863	866	873	867
P58376	876	880	876	877
P58386	883	880	880	881

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

檢測者/日期: 林素鈴
2026.02.27



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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	2028.06.13
Fluoride ISA	2027.09

3 儀器電極校正

3.1 校正程序

(1) 1000ppm 氟離子標準液

(2) 100ppm 氟離子標準液取 1000 ppm 氟離子標準液 10ml 加水定量至 100ml。

(3) 10ppm 氟離子標準液取 100 ppm 氟離子標準液 10ml 加水定量至 100ml。

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

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	-59.8
100ppm	1000ppm	-59.2

操作者/日期: 林素鈴

2026.07.27



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3.2 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	100	1000
合格標準 容差 $\pm 3\%$	9.7~10.3	97~103	970~1030
判定	☒ 合格 ☐ 不合格	☒ 合格 ☐ 不合格	☒ 合格 ☐ 不合格

操作者/日期: 林素鈴
2026.02.27

3.3 檢品檢測

每批(瓶)漱口水檢品各取 2.5mL，加入 2.5mL Fluoride ISA，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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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:

27-07-26 , 11:11:44

Ion Values Slope

10	
100	-59.8 mV
1000	-59.2 mV

Measurement Data

- 1) 27-07-26 , 11:32:05
Mode-Ion, Sample ID: 0
1000 ppm, -160.3 mV
23.3 C ATC
- 2) 27-07-26 , 11:38:55
Mode-Ion, Sample ID: 0
100 ppm, -101.2 mV
23.3 C ATC
- 3) 27-07-26 , 11:47:33
Mode-Ion, Sample ID: 0
10.00 ppm, -41.3 mV
23.4 C ATC

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漱口水之氟含量檢測程序與紀錄

p58-216

- 4) 27-07-26 , 13:58:36
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
23.1 C ATC
- 5) 27-07-26 , 14:01:58
Mode-Ion, Sample ID: 0
897 ppm, -157.5 mV
23.2 C ATC
- 6) 27-07-26 , 14:03:15
Mode-Ion, Sample ID: 0
897 ppm, -157.5 mV
23.3 C ATC
- 7) 27-07-26 , 14:05:12
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
23.3 C ATC
- 8) 27-07-26 , 14:06:29
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
23.2 C ATC
- 9) 27-07-26 , 14:08:00
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
23.1 C ATC
- 10) 27-07-26 , 14:09:41
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
23.1 C ATC
- 11) 27-07-26 , 14:11:32
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
23.1 C ATC
- 12) 27-07-26 , 14:12:33
Mode-Ion, Sample ID: 0
863 ppm, -156.5 mV
23.1 C ATC
- 13) 27-07-26 , 14:13:41
Mode-Ion, Sample ID: 0
859 ppm, -156.4 mV
23.0 C ATC
- 14) 27-07-26 , 14:16:25
Mode-Ion, Sample ID: 0
863 ppm, -156.5 mV
23.0 C ATC
- 15) 27-07-26 , 14:18:46
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
23.0 C ATC

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p58-256

- 16) 27-07-26 , 14:22:29
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.8 C ATC
- 17) 27-07-26 , 14:24:34
Mode-Ion, Sample ID: 0
869 ppm, -156.7 mV
22.8 C ATC
- 18) 27-07-26 , 14:26:32
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
22.7 C ATC
- 19) 27-07-26 , 14:28:11
Mode-Ion, Sample ID: 0
863 ppm, -156.5 mV
22.8 C ATC
- 20) 27-07-26 , 14:29:40
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.8 C ATC
- 21) 27-07-26 , 14:31:43
Mode-Ion, Sample ID: 0
869 ppm, -156.7 mV
22.8 C ATC
- 22) 27-07-26 , 14:35:34
Mode-Ion, Sample ID: 0
886 ppm, -157.2 mV
22.8 C ATC
- 23) 27-07-26 , 14:37:14
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.8 C ATC
- 24) 27-07-26 , 14:38:10
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.8 C ATC
- 25) 27-07-26 , 14:40:34
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.7 C ATC
- 26) 27-07-26 , 14:43:02
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.7 C ATC
- 27) 27-07-26 , 14:46:44
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.6 C ATC

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原始數據黏貼處:

漱口水之氟含量檢測程序與紀錄

P5A-336

40) 27-07-26 , 15:13:42
Mode-Ion, Sample ID: 0
886 ppm, -157.2 mV
22.7 C ATC

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P5A-296

28) 27-07-26 , 14:48:08
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.6 C ATC

29) 27-07-26 , 14:50:37
Mode-Ion, Sample ID: 0
869 ppm, -156.7 mV
22.7 C ATC

30) 27-07-26 , 14:53:31
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.8 C ATC

P5A-306

31) 27-07-26 , 14:55:37
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.8 C ATC

32) 27-07-26 , 14:57:17
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.8 C ATC

33) 27-07-26 , 15:01:42
Mode-Ion, Sample ID: 0
886 ppm, -157.2 mV
22.7 C ATC

P5A-316

34) 27-07-26 , 15:02:50
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.7 C ATC

35) 27-07-26 , 15:06:12
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.8 C ATC

36) 27-07-26 , 15:07:06
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.8 C ATC

P5A-326

37) 27-07-26 , 15:09:27
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.8 C ATC

38) 27-07-26 , 15:10:18
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.8 C ATC

39) 27-07-26 , 15:12:12
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.8 C ATC

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P5A-336

41) 27-07-26 , 15:14:29
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.9 C ATC

42) 27-07-26 , 15:16:44
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.9 C ATC

P5A-346

43) 27-07-26 , 15:18:00
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.9 C ATC

44) 27-07-26 , 15:20:57
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
23.0 C ATC

45) 27-07-26 , 15:21:47
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
23.0 C ATC

P5A-356

46) 27-07-26 , 15:23:29
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
23.0 C ATC

47) 27-07-26 , 15:25:08
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.9 C ATC

48) 27-07-26 , 15:27:34
Mode-Ion, Sample ID: 0
869 ppm, -156.7 mV
22.9 C ATC

P5A-366

49) 27-07-26 , 15:29:24
Mode-Ion, Sample ID: 0
863 ppm, -156.5 mV
22.9 C ATC

50) 27-07-26 , 15:32:05
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
22.9 C ATC

51) 27-07-26 , 15:33:34
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.9 C ATC

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P5A-376

52) 27-07-26 , 15:36:36
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.9 C ATC

53) 27-07-26 , 15:37:41
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.8 C ATC

54) 27-07-26 , 15:39:30
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.8 C ATC

P5A-386

55) 27-07-26 , 15:41:15
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.8 C ATC

56) 27-07-26 , 15:42:18
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.8 C ATC

57) 27-07-26 , 15:45:25
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.8 C ATC

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原始數據黏貼處:

漱口水之氣含量檢測程序與紀錄

P58-336

- 40) 27-07-26, 15:13:42
Mode-Ion, Sample ID: 0
886 ppm, -157.2 mV
22.7 C ATC

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P58-296

- 28) 27-07-26, 14:48:08
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.6 C ATC

- 29) 27-07-26, 14:50:37
Mode-Ion, Sample ID: 0
869 ppm, -156.7 mV
22.7 C ATC

- 30) 27-07-26, 14:53:31
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.8 C ATC

- P58-306
31) 27-07-26, 14:55:37
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.8 C ATC

- 32) 27-07-26, 14:57:17
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.8 C ATC

- 33) 27-07-26, 15:01:42
Mode-Ion, Sample ID: 0
886 ppm, -157.2 mV
22.7 C ATC

- P58-316
34) 27-07-26, 15:02:50
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.7 C ATC

- 35) 27-07-26, 15:06:12
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.8 C ATC

- 36) 27-07-26, 15:07:06
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.8 C ATC

- P58-326
37) 27-07-26, 15:09:27
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.8 C ATC

- 38) 27-07-26, 15:10:18
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.8 C ATC

- 39) 27-07-26, 15:12:12
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.8 C ATC

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P58-336

- 41) 27-07-26, 15:14:29
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.9 C ATC

- 42) 27-07-26, 15:16:44
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.9 C ATC

- P58-346
43) 27-07-26, 15:18:00
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.9 C ATC

- 44) 27-07-26, 15:20:57
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
23.0 C ATC

- 45) 27-07-26, 15:21:47
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
23.0 C ATC

- P58-356
46) 27-07-26, 15:23:29
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
23.0 C ATC

- 47) 27-07-26, 15:25:08
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.9 C ATC

- 48) 27-07-26, 15:27:34
Mode-Ion, Sample ID: 0
869 ppm, -156.7 mV
22.9 C ATC

- P58-366
49) 27-07-26, 15:29:24
Mode-Ion, Sample ID: 0
863 ppm, -156.5 mV
22.9 C ATC

- 50) 27-07-26, 15:32:05
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
22.9 C ATC

- 51) 27-07-26, 15:33:34
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.9 C ATC

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P58-376

- 52) 27-07-26, 15:36:36
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.9 C ATC

- 53) 27-07-26, 15:37:41
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.8 C ATC

- 54) 27-07-26, 15:39:30
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.8 C ATC

- P58-386
55) 27-07-26, 15:41:15
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.8 C ATC

- 56) 27-07-26, 15:42:18
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.8 C ATC

- 57) 27-07-26, 15:45:25
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.8 C ATC

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西德有機
Shiteh Organic

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:

27-07-26 , 11:11:44

Ion Values Slope

10	
	-59.8 mV
100	
	-59.2 mV
1000	

Measurement Data

- 1) 27-07-26 , 11:32:05
Mode-Ion, Sample ID: 0
1000 ppm, -160.3 mV
23.3 C ATC
- 2) 27-07-26 , 11:38:55
Mode-Ion, Sample ID: 0
100 ppm, -101.2 mV
23.3 C ATC
- 3) 27-07-26 , 11:47:33
Mode-Ion, Sample ID: 0
10.00 ppm, -41.3 mV
23.4 C ATC

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漱口水之氟含量檢測程序與紀錄

P58-216

- 4) 27-07-26 , 13:58:36
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
23.1 C ATC
- 5) 27-07-26 , 14:01:58
Mode-Ion, Sample ID: 0
897 ppm, -157.5 mV
23.2 C ATC
- 6) 27-07-26 , 14:03:15
Mode-Ion, Sample ID: 0
897 ppm, -157.5 mV
23.3 C ATC
- 7) 27-07-26 , 14:05:12
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
23.3 C ATC
- 8) 27-07-26 , 14:06:29
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
23.2 C ATC
- 9) 27-07-26 , 14:08:00
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
23.1 C ATC
- 10) 27-07-26 , 14:09:41
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
23.1 C ATC
- 11) 27-07-26 , 14:11:32
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
23.1 C ATC
- 12) 27-07-26 , 14:12:33
Mode-Ion, Sample ID: 0
863 ppm, -156.5 mV
23.1 C ATC
- 13) 27-07-26 , 14:13:41
Mode-Ion, Sample ID: 0
859 ppm, -156.4 mV
23.0 C ATC
- 14) 27-07-26 , 14:16:25
Mode-Ion, Sample ID: 0
863 ppm, -156.5 mV
23.0 C ATC
- 15) 27-07-26 , 14:18:46
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
23.0 C ATC

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- 16) 27-07-26 , 14:22:29
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.8 C ATC
- 17) 27-07-26 , 14:24:34
Mode-Ion, Sample ID: 0
869 ppm, -156.7 mV
22.8 C ATC
- 18) 27-07-26 , 14:26:32
Mode-Ion, Sample ID: 0
866 ppm, -156.6 mV
22.7 C ATC
- 19) 27-07-26 , 14:28:11
Mode-Ion, Sample ID: 0
863 ppm, -156.5 mV
22.8 C ATC
- 20) 27-07-26 , 14:29:40
Mode-Ion, Sample ID: 0
873 ppm, -156.8 mV
22.8 C ATC
- 21) 27-07-26 , 14:31:43
Mode-Ion, Sample ID: 0
869 ppm, -156.7 mV
22.8 C ATC
- 22) 27-07-26 , 14:35:34
Mode-Ion, Sample ID: 0
886 ppm, -157.2 mV
22.8 C ATC
- 23) 27-07-26 , 14:37:14
Mode-Ion, Sample ID: 0
883 ppm, -157.1 mV
22.8 C ATC
- 24) 27-07-26 , 14:38:10
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.8 C ATC
- 25) 27-07-26 , 14:40:34
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.7 C ATC
- 26) 27-07-26 , 14:43:02
Mode-Ion, Sample ID: 0
880 ppm, -157.0 mV
22.7 C ATC
- 27) 27-07-26 , 14:46:44
Mode-Ion, Sample ID: 0
876 ppm, -156.9 mV
22.6 C ATC

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