

漱口水之氟含量檢測報告

檢體編號	規格	結果	判定
P58016	氟化鈉(NaF)規格應介於 0.2%±10% 相當氟離子(F) 904ppm±10% (813.6~994.4ppm)	894	符合
P58026		880	符合
P58036		865	符合
P58046		876	符合
P58056		852	符合
P58066		879	符合
P58076		862	符合
P58086		865	符合
P58096		859	符合
P58106		869	符合
P58116		862	符合
P58126		851	符合
P58136		860	符合
P58146		849	符合
P58156		862	符合
P58166		862	符合
P58176		863	符合
P58186		855	符合
P58196		858	符合
P58206		855	符合

Conclusion:

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



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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

3.1 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	-58.3
100ppm	1000ppm	-57.2

操作者/日期: 林素鈴

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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	10.0	100.0	1000
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
2026.04.24

3.3 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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原始數據黏貼處:

288 校正

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:

24-04-26 , 13:56:15

Ion Values Slope

10	
100	-58.3 mV
1000	-57.2 mV

Measurement Data

- 1) 24-04-26 , 14:05:08
Mode-Ion, Sample ID: 0
1000 ppm, -166.3 mV
20.2 C ATC
- 2) 24-04-26 , 14:08:05
Mode-Ion, Sample ID: 0
100.0 ppm, -109.1 mV
20.1 C ATC
- 3) 24-04-26 , 14:11:12
Mode-Ion, Sample ID: 0
10.0 ppm, -50.9 mV
20.2 C ATC

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- 4) 24-04-26 , 14:54:37
Mode-Ion, Sample ID: 0
901 ppm, -163.7 mV
20.2 C ATC

- 5) 24-04-26 , 14:55:35
Mode-Ion, Sample ID: 0
897 ppm, -163.6 mV
20.2 C ATC

- 6) 24-04-26 , 14:58:06
Mode-Ion, Sample ID: 0
883 ppm, -163.2 mV
20.2 C ATC

- 7) 24-04-26 , 14:59:27
Mode-Ion, Sample ID: 0
886 ppm, -163.3 mV
20.2 C ATC

- 8) 24-04-26 , 15:00:31
Mode-Ion, Sample ID: 0
883 ppm, -163.2 mV
20.3 C ATC

- 9) 24-04-26 , 15:02:05
Mode-Ion, Sample ID: 0
872 ppm, -162.9 mV
20.4 C ATC

- 10) 24-04-26 , 15:03:26
Mode-Ion, Sample ID: 0
869 ppm, -162.8 mV
20.4 C ATC

- 11) 24-04-26 , 15:04:21
Mode-Ion, Sample ID: 0
865 ppm, -162.7 mV
20.4 C ATC

- 12) 24-04-26 , 15:05:29
Mode-Ion, Sample ID: 0
862 ppm, -162.6 mV
20.4 C ATC

- 13) 24-04-26 , 15:07:52
Mode-Ion, Sample ID: 0
869 ppm, -162.8 mV
20.3 C ATC

- 14) 24-04-26 , 15:08:41
Mode-Ion, Sample ID: 0
872 ppm, -162.9 mV
20.3 C ATC

- 15) 24-04-26 , 15:09:50
Mode-Ion, Sample ID: 0
886 ppm, -163.3 mV
20.3 C ATC

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p58-056

- 16) 24-04-26 , 15:10:56
Mode-Ion, Sample ID: 0
844 ppm, -162.1 mV
20.3 C ATC

- 17) 24-04-26 , 15:12:02
Mode-Ion, Sample ID: 0
858 ppm, -162.5 mV
20.4 C ATC

- 18) 24-04-26 , 15:13:29
Mode-Ion, Sample ID: 0
855 ppm, -162.4 mV
20.4 C ATC

- 19) 24-04-26 , 15:20:28
Mode-Ion, Sample ID: 0
876 ppm, -163.0 mV
20.3 C ATC

- 20) 24-04-26 , 15:21:26
Mode-Ion, Sample ID: 0
869 ppm, -162.8 mV
20.3 C ATC

- 21) 24-04-26 , 15:22:41
Mode-Ion, Sample ID: 0
893 ppm, -163.5 mV
20.3 C ATC

- 22) 24-04-26 , 15:23:48
Mode-Ion, Sample ID: 0
855 ppm, -162.4 mV
20.3 C ATC

- 23) 24-04-26 , 15:24:42
Mode-Ion, Sample ID: 0
869 ppm, -162.8 mV
20.3 C ATC

- 24) 24-04-26 , 15:25:23
Mode-Ion, Sample ID: 0
862 ppm, -162.6 mV
20.4 C ATC

- 25) 24-04-26 , 15:26:41
Mode-Ion, Sample ID: 0
869 ppm, -162.8 mV
20.5 C ATC

- 26) 24-04-26 , 15:27:34
Mode-Ion, Sample ID: 0
865 ppm, -162.7 mV
20.5 C ATC

- 27) 24-04-26 , 15:29:08
Mode-Ion, Sample ID: 0
862 ppm, -162.6 mV
20.4 C ATC

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漱口水之氣含量檢測程序與紀錄

原始數據黏貼處:

p58-096

28) 24-04-26 , 15:30:57
Mode-Ion, Sample ID: 0
865 ppm, -162.7 mV
20.4 C ATC

29) 24-04-26 , 15:33:38
Mode-Ion, Sample ID: 0
851 ppm, -162.3 mV
20.3 C ATC

30) 24-04-26 , 15:35:07
Mode-Ion, Sample ID: 0
862 ppm, -162.6 mV
20.3 C ATC

p58-106
31) 24-04-26 , 15:36:04
Mode-Ion, Sample ID: 0
858 ppm, -162.5 mV
20.3 C ATC

32) 24-04-26 , 15:37:11
Mode-Ion, Sample ID: 0
879 ppm, -163.1 mV
20.3 C ATC

33) 24-04-26 , 15:39:22
Mode-Ion, Sample ID: 0
869 ppm, -162.8 mV
20.4 C ATC

p58-116
34) 24-04-26 , 15:40:24
Mode-Ion, Sample ID: 0
865 ppm, -162.7 mV
20.4 C ATC

35) 24-04-26 , 15:41:06
Mode-Ion, Sample ID: 0
862 ppm, -162.6 mV
20.4 C ATC

36) 24-04-26 , 15:42:40
Mode-Ion, Sample ID: 0
858 ppm, -162.5 mV
20.4 C ATC

p58-126
37) 24-04-26 , 15:43:14
Mode-Ion, Sample ID: 0
848 ppm, -162.2 mV
20.5 C ATC

38) 24-04-26 , 15:44:08
Mode-Ion, Sample ID: 0
851 ppm, -162.3 mV
20.5 C ATC

39) 24-04-26 , 15:45:27
Mode-Ion, Sample ID: 0
855 ppm, -162.4 mV
20.4 C ATC

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p58-136

40) 24-04-26 , 15:47:15
Mode-Ion, Sample ID: 0
862 ppm, -162.6 mV
20.4 C ATC

41) 24-04-26 , 15:48:30
Mode-Ion, Sample ID: 0
855 ppm, -162.4 mV
20.4 C ATC

42) 24-04-26 , 15:49:36
Mode-Ion, Sample ID: 0
862 ppm, -162.6 mV
20.4 C ATC

p58-146
43) 24-04-26 , 15:50:27
Mode-Ion, Sample ID: 0
848 ppm, -162.2 mV
20.4 C ATC

44) 24-04-26 , 15:51:40
Mode-Ion, Sample ID: 0
851 ppm, -162.3 mV
20.3 C ATC

45) 24-04-26 , 15:53:05
Mode-Ion, Sample ID: 0
848 ppm, -162.2 mV
20.2 C ATC

p58-156
46) 24-04-26 , 15:54:27
Mode-Ion, Sample ID: 0
865 ppm, -162.7 mV
20.3 C ATC

47) 24-04-26 , 15:55:10
Mode-Ion, Sample ID: 0
858 ppm, -162.5 mV
20.3 C ATC

48) 24-04-26 , 15:57:28
Mode-Ion, Sample ID: 0
862 ppm, -162.6 mV
20.1 C ATC

p58-166
49) 24-04-26 , 15:57:54
Mode-Ion, Sample ID: 0
862 ppm, -162.6 mV
20.1 C ATC

50) 24-04-26 , 16:00:32
Mode-Ion, Sample ID: 0
865 ppm, -162.7 mV
20.2 C ATC

51) 24-04-26 , 16:01:54
Mode-Ion, Sample ID: 0
858 ppm, -162.5 mV
20.2 C ATC

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p58-176

52) 24-04-26 , 16:03:48
Mode-Ion, Sample ID: 0
848 ppm, -162.2 mV
20.3 C ATC

53) 24-04-26 , 16:05:38
Mode-Ion, Sample ID: 0
876 ppm, -163.0 mV
20.3 C ATC

54) 24-04-26 , 16:07:37
Mode-Ion, Sample ID: 0
865 ppm, -162.7 mV
20.4 C ATC

p58-186
55) 24-04-26 , 16:08:56
Mode-Ion, Sample ID: 0
855 ppm, -162.4 mV
20.4 C ATC

56) 24-04-26 , 16:11:10
Mode-Ion, Sample ID: 0
851 ppm, -162.3 mV
20.4 C ATC

57) 24-04-26 , 16:14:16
Mode-Ion, Sample ID: 0
858 ppm, -162.5 mV
20.5 C ATC

p58-196
58) 24-04-26 , 16:15:26
Mode-Ion, Sample ID: 0
858 ppm, -162.5 mV
20.5 C ATC

59) 24-04-26 , 16:17:16
Mode-Ion, Sample ID: 0
862 ppm, -162.6 mV
20.5 C ATC

60) 24-04-26 , 16:18:32
Mode-Ion, Sample ID: 0
855 ppm, -162.4 mV
20.4 C ATC

p58-206
61) 24-04-26 , 16:20:07
Mode-Ion, Sample ID: 0
851 ppm, -162.3 mV
20.4 C ATC

62) 24-04-26 , 16:21:39
Mode-Ion, Sample ID: 0
858 ppm, -162.5 mV
20.4 C ATC

63) 24-04-26 , 16:23:17
Mode-Ion, Sample ID: 0
855 ppm, -162.4 mV
20.4 C ATC

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