

西德有機化學藥品(股)公司

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

檢體批號	規格	結果	判定
P58203	氟化鈉(NaF)規格應 介於 0.2%±10% 相當 氟離子(F) 904ppm ± 10%	903	符合
P58213		908	符合
P58223		913	符合
P58233		905	符合
P58243		901	符合
P58253		903	符合
P58263		902	符合
P58273		898	符合
P58283		899	符合
P58293		899	符合
P58303		885	符合
P58313		902	符合
P58323		881	符合
P58333		874	符合
P58343		878	符合
P58353		866	符合
P58363		866	符合
P58373		859	符合
P58383		855	符合
P58393		847	符合

Compiled By/Date: yihui lee / 2023.08.14 Approved By/Date: Cindy deng 2023.08.14



漱口水之氟含量檢驗程序與紀錄

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 檢測步驟

2.1 儀器電極校正

2.1.1 氟離子標準液

(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(F00AS02)10ml 加水定量至 100ml。

2.1.2 檢量線校正

(1)以 10ppm、100ppm、1000ppm 各 2.5ml 及各加 2.5ml Fluoride ISA Tisabl 溶液進行電極校正。

(2)再以 10ppm、100ppm、1000ppm 各 2.5ml 及各加 2.5ml Fluoride ISA Tisabl(F00IS01)溶液，分別測量 10、100、1000ppm 三點之 ppm 值。

(3)試藥資訊

試藥名稱	有效期限
1000ppm 氟離子標準液(221085082)	2023. 09. 23
Fluoride ISA Tisabl(F00IS01)	2024. 12. 30

(4) 氟離子標準液測量結果

10ppm	100ppm	1000ppm
10.1	101	1000

漱口水之氟含量檢驗程序與紀錄

2.2 漱口水檢品檢測

每瓶送檢漱口水各取 2.5mL，加入 2.5mL Fluoride ISA Tisabl，攪拌均勻並測其 ppm，結果如下表：(三重覆)

檢體批號	ppm			平均值(ppm)
P58203	909	902	899	903
P58213	920	902	902	908
P58223	913	917	909	913
P58233	909	899	906	905
P58243	902	902	899	901
P58253	906	902	902	903
P58263	902	902	902	902
P58273	899	899	895	898
P58283	899	899	899	899
P58293	899	899	899	899
P58303	884	888	884	885
P58313	906	902	899	902
P58323	884	881	877	881
P58333	877	874	870	874
P58343	877	881	877	878
P58353	867	864	867	866
P58363	874	864	860	866
P58373	857	857	864	859
P58383	857	857	850	855
P58 393	840	847	853	847

以上檢品之產品氟化鈉(FNa)規格應介於 0.2%±10%

相當氟離子(F) 904ppm ± 10%

檢測者/日期：

P58-203

漱口: 4) 11-Aug-23, 14:48:17
Mode-Ion, Sample ID: 0
909 ppm, -202.0 mV
23.3 C ATC

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:
11-Aug-23, 14:09:25

Ion Values	Slope
10	-59.1 mV
100	-58.1 mV
1000	

Measurement Data

- 1) 11-Aug-23, 14:21:24
Mode-Ion, Sample ID: 0
10.2 ppm, -87.8 mV
23.2 C ATC
- 2) 11-Aug-23, 14:24:50
Mode-Ion, Sample ID: 0
100 ppm, -146.4 mV
23.3 C ATC
- 3) 11-Aug-23, 14:33:51
Mode-Ion, Sample ID: 0
1004 ppm, -204.5 mV
23.4 C ATC

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- 5) 11-Aug-23, 14:49:43
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.4 C ATC

- 6) 11-Aug-23, 14:50:35
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.4 C ATC

- 7) 11-Aug-23, 14:52:50
Mode-Ion, Sample ID: 0
920 ppm, -202.3 mV
23.4 C ATC

- 8) 11-Aug-23, 14:55:00
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.4 C ATC

- 9) 11-Aug-23, 14:56:05
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.4 C ATC

- 10) 11-Aug-23, 14:57:06
Mode-Ion, Sample ID: 0
913 ppm, -202.1 mV
23.4 C ATC

- 11) 11-Aug-23, 14:58:52
Mode-Ion, Sample ID: 0
917 ppm, -202.2 mV
23.4 C ATC

- 12) 11-Aug-23, 15:00:24
Mode-Ion, Sample ID: 0
909 ppm, -202.0 mV
23.3 C ATC

- 13) 11-Aug-23, 15:01:41
Mode-Ion, Sample ID: 0
909 ppm, -202.0 mV
23.3 C ATC

- 14) 11-Aug-23, 15:02:33
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

- 15) 11-Aug-23, 15:03:26
Mode-Ion, Sample ID: 0
906 ppm, -201.9 mV
23.3 C ATC

- 16) 11-Aug-23, 15:04:35
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.3 C ATC

- 17) 11-Aug-23, 15:05:45
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.3 C ATC

- 18) 11-Aug-23, 15:06:20
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

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序與紀錄

P58-253

- 19) 11-Aug-23, 15:10:17
Mode-Ion, Sample ID: 0
906 ppm, -201.9 mV
23.3 C ATC

- 20) 11-Aug-23, 15:12:39
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.3 C ATC

- 21) 11-Aug-23, 15:15:18
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.3 C ATC

- 22) 11-Aug-23, 15:16:16
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.4 C ATC

- 23) 11-Aug-23, 15:17:24
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.4 C ATC

- 24) 11-Aug-23, 15:18:19
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.4 C ATC

- 25) 11-Aug-23, 15:19:18
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

- 26) 11-Aug-23, 15:20:12
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

- 27) 11-Aug-23, 15:22:26
Mode-Ion, Sample ID: 0
895 ppm, -201.6 mV
23.3 C ATC

- 28) 11-Aug-23, 15:23:47
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

- 29) 11-Aug-23, 15:24:29
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

- 30) 11-Aug-23, 15:26:30
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

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漱口水之氟含量檢驗程序與紀錄

原始數據黏貼處:

P58-293

31) 11-Aug-23 , 15:28:52
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.2 C ATC

32) 11-Aug-23 , 15:31:36
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.2 C ATC

33) 11-Aug-23 , 15:32:24
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.2 C ATC

P58-303
34) 11-Aug-23 , 15:35:05
Mode-Ion, Sample ID: 0
884 ppm, -201.3 mV
23.2 C ATC

35) 11-Aug-23 , 15:36:18
Mode-Ion, Sample ID: 0
888 ppm, -201.4 mV
23.2 C ATC

36) 11-Aug-23 , 15:37:46
Mode-Ion, Sample ID: 0
884 ppm, -201.3 mV
23.2 C ATC

P58-313
37) 11-Aug-23 , 15:38:48
Mode-Ion, Sample ID: 0
906 ppm, -201.9 mV
23.2 C ATC

38) 11-Aug-23 , 15:39:15
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.2 C ATC

39) 11-Aug-23 , 15:40:05
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.2 C ATC

P58-323
40) 11-Aug-23 , 15:41:09
Mode-Ion, Sample ID: 0
884 ppm, -201.3 mV
23.2 C ATC

41) 11-Aug-23 , 15:43:37
Mode-Ion, Sample ID: 0
881 ppm, -201.2 mV
23.1 C ATC

42) 11-Aug-23 , 15:44:44
Mode-Ion, Sample ID: 0
877 ppm, -201.1 mV
23.1 C ATC

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P58-333

43) 11-Aug-23 , 15:45:59
Mode-Ion, Sample ID: 0
877 ppm, -201.1 mV
23.1 C ATC

44) 11-Aug-23 , 15:46:37
Mode-Ion, Sample ID: 0
874 ppm, -201.0 mV
23.1 C ATC

45) 11-Aug-23 , 15:48:12
Mode-Ion, Sample ID: 0
870 ppm, -200.9 mV
23.1 C ATC

P58-343
46) 11-Aug-23 , 15:49:29
Mode-Ion, Sample ID: 0
877 ppm, -201.1 mV
23.1 C ATC

47) 11-Aug-23 , 15:51:20
Mode-Ion, Sample ID: 0
881 ppm, -201.2 mV
23.1 C ATC

48) 11-Aug-23 , 15:52:09
Mode-Ion, Sample ID: 0
877 ppm, -201.1 mV
23.1 C ATC

P58-353
49) 11-Aug-23 , 15:53:48
Mode-Ion, Sample ID: 0
867 ppm, -200.8 mV
23.1 C ATC

50) 11-Aug-23 , 15:54:48
Mode-Ion, Sample ID: 0
864 ppm, -200.7 mV
23.1 C ATC

51) 11-Aug-23 , 15:55:28
Mode-Ion, Sample ID: 0
867 ppm, -200.8 mV
23.1 C ATC

P58-363
52) 11-Aug-23 , 15:57:08
Mode-Ion, Sample ID: 0
874 ppm, -201.0 mV
23.1 C ATC

53) 11-Aug-23 , 15:58:05
Mode-Ion, Sample ID: 0
864 ppm, -200.7 mV
23.1 C ATC

54) 11-Aug-23 , 15:59:55
Mode-Ion, Sample ID: 0
860 ppm, -200.6 mV
23.1 C ATC

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P58-373

55) 11-Aug-23 , 16:01:38
Mode-Ion, Sample ID: 0
857 ppm, -200.5 mV
23.1 C ATC

56) 11-Aug-23 , 16:02:50
Mode-Ion, Sample ID: 0
857 ppm, -200.5 mV
23.1 C ATC

57) 11-Aug-23 , 16:04:25
Mode-Ion, Sample ID: 0
864 ppm, -200.7 mV
23.1 C ATC

P58-383
58) 11-Aug-23 , 16:06:00
Mode-Ion, Sample ID: 0
857 ppm, -200.5 mV
23.0 C ATC

59) 11-Aug-23 , 16:08:41
Mode-Ion, Sample ID: 0
857 ppm, -200.5 mV
23.0 C ATC

60) 11-Aug-23 , 16:10:03
Mode-Ion, Sample ID: 0
850 ppm, -200.3 mV
23.0 C ATC

P58-393
61) 11-Aug-23 , 16:11:26
Mode-Ion, Sample ID: 0
840 ppm, -200.0 mV
23.0 C ATC

62) 11-Aug-23 , 16:12:48
Mode-Ion, Sample ID: 0
847 ppm, -200.2 mV
23.0 C ATC

63) 11-Aug-23 , 16:13:29
Mode-Ion, Sample ID: 0
853 ppm, -200.4 mV
23.0 C ATC

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158-203

漱口:

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:
11-Aug-23 , 14:09:25

Ion Values Slope

10	-59.1 mV
100	-58.1 mV
1000	

Measurement Data

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10.2 ppm, -87.8 mV
23.2 C ATC
- 2) 11-Aug-23 , 14:24:50
Mode-Ion, Sample ID: 0
100 ppm, -146.4 mV
23.3 C ATC
- 3) 11-Aug-23 , 14:33:51
Mode-Ion, Sample ID: 0
1004 ppm, -204.5 mV
23.4 C ATC

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- 4) 11-Aug-23 , 14:48:17
Mode-Ion, Sample ID: 0
909 ppm, -202.0 mV
23.3 C ATC

- 5) 11-Aug-23 , 14:49:43
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.4 C ATC

- 6) 11-Aug-23 , 14:50:35
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.4 C ATC

- 7) 11-Aug-23 , 14:52:50
Mode-Ion, Sample ID: 0
920 ppm, -202.3 mV
23.4 C ATC

- 8) 11-Aug-23 , 14:55:00
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.4 C ATC

- 9) 11-Aug-23 , 14:56:05
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.4 C ATC

- 10) 11-Aug-23 , 14:57:06
Mode-Ion, Sample ID: 0
913 ppm, -202.1 mV
23.4 C ATC

- 11) 11-Aug-23 , 14:58:52
Mode-Ion, Sample ID: 0
917 ppm, -202.2 mV
23.4 C ATC

- 12) 11-Aug-23 , 15:00:24
Mode-Ion, Sample ID: 0
909 ppm, -202.0 mV
23.3 C ATC

- 13) 11-Aug-23 , 15:01:41
Mode-Ion, Sample ID: 0
909 ppm, -202.0 mV
23.3 C ATC

- 14) 11-Aug-23 , 15:02:33
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

- 15) 11-Aug-23 , 15:03:26
Mode-Ion, Sample ID: 0
906 ppm, -201.9 mV
23.3 C ATC

- 16) 11-Aug-23 , 15:04:35
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.3 C ATC

- 17) 11-Aug-23 , 15:05:45
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.3 C ATC

- 18) 11-Aug-23 , 15:06:20
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

序與紀錄

158-253

- 19) 11-Aug-23 , 15:10:17
Mode-Ion, Sample ID: 0
906 ppm, -201.9 mV
23.3 C ATC

- 20) 11-Aug-23 , 15:12:39
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.3 C ATC

- 21) 11-Aug-23 , 15:15:18
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.3 C ATC

- 22) 11-Aug-23 , 15:16:16
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.4 C ATC

- 23) 11-Aug-23 , 15:17:24
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.4 C ATC

- 24) 11-Aug-23 , 15:18:19
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.4 C ATC

- 25) 11-Aug-23 , 15:19:18
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

- 26) 11-Aug-23 , 15:20:12
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

- 27) 11-Aug-23 , 15:22:26
Mode-Ion, Sample ID: 0
895 ppm, -201.6 mV
23.3 C ATC

- 28) 11-Aug-23 , 15:23:47
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

- 29) 11-Aug-23 , 15:24:29
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

- 30) 11-Aug-23 , 15:26:30
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.3 C ATC

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漱口水之氟含量檢驗程序與紀錄

原始數據黏貼處：

P58-293

31) 11-Aug-23 , 15:28:52
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.2 C ATC

32) 11-Aug-23 , 15:31:36
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.2 C ATC

33) 11-Aug-23 , 15:32:24
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.2 C ATC

P58-303
34) 11-Aug-23 , 15:35:05
Mode-Ion, Sample ID: 0
884 ppm, -201.3 mV
23.2 C ATC

35) 11-Aug-23 , 15:36:18
Mode-Ion, Sample ID: 0
888 ppm, -201.4 mV
23.2 C ATC

36) 11-Aug-23 , 15:37:46
Mode-Ion, Sample ID: 0
884 ppm, -201.3 mV
23.2 C ATC

P58-313
37) 11-Aug-23 , 15:38:48
Mode-Ion, Sample ID: 0
906 ppm, -201.9 mV
23.2 C ATC

38) 11-Aug-23 , 15:39:15
Mode-Ion, Sample ID: 0
902 ppm, -201.8 mV
23.2 C ATC

39) 11-Aug-23 , 15:40:05
Mode-Ion, Sample ID: 0
899 ppm, -201.7 mV
23.2 C ATC

P58-323
40) 11-Aug-23 , 15:41:09
Mode-Ion, Sample ID: 0
884 ppm, -201.3 mV
23.2 C ATC

41) 11-Aug-23 , 15:43:37
Mode-Ion, Sample ID: 0
881 ppm, -201.2 mV
23.1 C ATC

42) 11-Aug-23 , 15:44:44
Mode-Ion, Sample ID: 0
877 ppm, -201.1 mV
23.1 C ATC

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P58-333

43) 11-Aug-23 , 15:45:59
Mode-Ion, Sample ID: 0
877 ppm, -201.1 mV
23.1 C ATC

44) 11-Aug-23 , 15:46:37
Mode-Ion, Sample ID: 0
874 ppm, -201.0 mV
23.1 C ATC

45) 11-Aug-23 , 15:48:12
Mode-Ion, Sample ID: 0
870 ppm, -200.9 mV
23.1 C ATC

P58-343
46) 11-Aug-23 , 15:49:29
Mode-Ion, Sample ID: 0
877 ppm, -201.1 mV
23.1 C ATC

47) 11-Aug-23 , 15:51:20
Mode-Ion, Sample ID: 0
881 ppm, -201.2 mV
23.1 C ATC

48) 11-Aug-23 , 15:52:09
Mode-Ion, Sample ID: 0
877 ppm, -201.1 mV
23.1 C ATC

P58-353
49) 11-Aug-23 , 15:53:48
Mode-Ion, Sample ID: 0
867 ppm, -200.8 mV
23.1 C ATC

50) 11-Aug-23 , 15:54:48
Mode-Ion, Sample ID: 0
864 ppm, -200.7 mV
23.1 C ATC

51) 11-Aug-23 , 15:55:28
Mode-Ion, Sample ID: 0
867 ppm, -200.8 mV
23.1 C ATC

P58-363
52) 11-Aug-23 , 15:57:08
Mode-Ion, Sample ID: 0
874 ppm, -201.0 mV
23.1 C ATC

53) 11-Aug-23 , 15:58:05
Mode-Ion, Sample ID: 0
864 ppm, -200.7 mV
23.1 C ATC

54) 11-Aug-23 , 15:59:55
Mode-Ion, Sample ID: 0
860 ppm, -200.6 mV
23.1 C ATC

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P58-373

55) 11-Aug-23 , 16:01:38
Mode-Ion, Sample ID: 0
857 ppm, -200.5 mV
23.1 C ATC

56) 11-Aug-23 , 16:02:50
Mode-Ion, Sample ID: 0
857 ppm, -200.5 mV
23.1 C ATC

57) 11-Aug-23 , 16:04:25
Mode-Ion, Sample ID: 0
864 ppm, -200.7 mV
23.1 C ATC

P58-383
58) 11-Aug-23 , 16:06:00
Mode-Ion, Sample ID: 0
857 ppm, -200.5 mV
23.0 C ATC

59) 11-Aug-23 , 16:08:41
Mode-Ion, Sample ID: 0
857 ppm, -200.5 mV
23.0 C ATC

60) 11-Aug-23 , 16:10:03
Mode-Ion, Sample ID: 0
850 ppm, -200.3 mV
23.0 C ATC

P58-393
61) 11-Aug-23 , 16:11:26
Mode-Ion, Sample ID: 0
840 ppm, -200.0 mV
23.0 C ATC

62) 11-Aug-23 , 16:12:48
Mode-Ion, Sample ID: 0
847 ppm, -200.2 mV
23.0 C ATC

63) 11-Aug-23 , 16:13:29
Mode-Ion, Sample ID: 0
853 ppm, -200.4 mV
23.0 C ATC

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