

西德有機化學藥品(股)公司

含氟漱口水氟檢驗報告

檢體批號	規格	結果	判定
P58011	氟化鈉(FNa)規格應介 於 0.2%±10% 相當氟離子(F) 904ppm ± 10%	894	符合
P58021		899	符合
P58031		898	符合
P58041		904	符合
P58051		895	符合
P58061		921	符合
P58071		914	符合
P58081		917	符合
P58091		914	符合
P58101		916	符合
P58111		912	符合
P58121		909	符合
P58131		902	符合
P58141		905	符合
P58151		900	符合
P58161		897	符合
P58171		905	符合
P58181		904	符合
P58191		914	符合
P58201		910	符合
P58211		914	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 / 2021.04.21 Approved By/Date: Cindy deng 2021.04.21

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(F00AS02)

(2) 100ppm 氟離子標準液取 1000 ppm 氟離子標準液(F00AS02)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(F00IS01)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(F00AS02)	2021.12.30
Fluoride ISA Tisabl(F00IS01)	2021.12.30

(4) 氟離子標準液測量結果

10ppm	100ppm	1000ppm
10.2	99.2	996

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(F00IS01)，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)
P58011	894	894	894	894
P58021	902	898	898	899
P58031	909	894	891	898
P58041	909	902	902	904
P58051	898	894	894	895
P58061	921	921	921	921
P58071	917	913	913	914
P58081	921	917	913	917
P58091	917	917	909	914
P58101	921	913	913	916
P58111	917	909	909	912
P58121	917	909	902	909
P58131	902	902	902	902
P58141	909	905	902	905
P58151	905	902	894	900
P58161	902	894	894	897
P58171	909	905	902	905
P58181	909	902	902	904
P58191	917	913	913	914
P58201	913	909	909	910
P58211	917	913	913	914

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：

倪志人 2021.04.20

漱口水之氟含量檢驗程序與紀錄

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:
20-Apr-21 , 14:26:31

Ion Values	Slope
10	-55.9 mV
100	-55.6 mV
1000	

Measurement Data

- 1) 20-Apr-21 , 14:32:07
Mode-Ion, Sample ID: 0
10.2 ppm, -25.2 mV
19.8 C ATC
- 2) 20-Apr-21 , 14:33:37
Mode-Ion, Sample ID: 0
99.2 ppm, -80.5 mV
19.7 C ATC
- 3) 20-Apr-21 , 14:35:06
Mode-Ion, Sample ID: 0
996 ppm, -136.2 mV
19.7 C ATC

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:
20-Apr-21 , 14:26:31

Ion Values	Slope
10	-55.9 mV
100	-55.6 mV
1000	

Measurement Data

- 1) 20-Apr-21 , 14:32:07
Mode-Ion, Sample ID: 0
10.2 ppm, -25.2 mV
19.8 C ATC
- 2) 20-Apr-21 , 14:33:37
Mode-Ion, Sample ID: 0
99.2 ppm, -80.5 mV
19.7 C ATC
- 3) 20-Apr-21 , 14:35:06
Mode-Ion, Sample ID: 0
996 ppm, -136.2 mV
19.7 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:

4) 20-Apr-21 , 14:42:53 P58011
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
19.9 C ATC

5) 20-Apr-21 , 14:43:45
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.0 C ATC

6) 20-Apr-21 , 14:45:04
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.0 C ATC

7) 20-Apr-21 , 14:50:40 P58021
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.2 C ATC

8) 20-Apr-21 , 14:51:33
Mode-Ion, Sample ID: 0
898 ppm, -133.7 mV
20.1 C ATC

9) 20-Apr-21 , 14:52:24
Mode-Ion, Sample ID: 0
898 ppm, -133.7 mV
20.1 C ATC

10) 20-Apr-21 , 14:56:42 P58031
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

11) 20-Apr-21 , 14:57:25
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.0 C ATC

12) 20-Apr-21 , 14:58:04
Mode-Ion, Sample ID: 0
891 ppm, -133.5 mV
20.1 C ATC

13) 20-Apr-21 , 15:01:11 P58041
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

14) 20-Apr-21 , 15:01:46
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

15) 20-Apr-21 , 15:02:21
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

4) 20-Apr-21 , 14:42:53 P58011
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
19.9 C ATC

5) 20-Apr-21 , 14:43:45
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.0 C ATC

6) 20-Apr-21 , 14:45:04
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.0 C ATC

7) 20-Apr-21 , 14:50:40 P58021
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.2 C ATC

8) 20-Apr-21 , 14:51:33
Mode-Ion, Sample ID: 0
898 ppm, -133.7 mV
20.1 C ATC

9) 20-Apr-21 , 14:52:24
Mode-Ion, Sample ID: 0
898 ppm, -133.7 mV
20.1 C ATC

10) 20-Apr-21 , 14:56:42 P58031
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

11) 20-Apr-21 , 14:57:25
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.0 C ATC

12) 20-Apr-21 , 14:58:04
Mode-Ion, Sample ID: 0
891 ppm, -133.5 mV
20.1 C ATC

13) 20-Apr-21 , 15:01:11 P58041
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

14) 20-Apr-21 , 15:01:46
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

15) 20-Apr-21 , 15:02:21
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 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:

16) 20-Apr-21 , 15:05:01 P58051
Mode-Ion, Sample ID: 0
898 ppm, -133.7 mV
20.1 C ATC

17) 20-Apr-21 , 15:05:36
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.1 C ATC

18) 20-Apr-21 , 15:06:13
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.1 C ATC

19) 20-Apr-21 , 15:09:52 P58061
Mode-Ion, Sample ID: 0
921 ppm, -134.3 mV
20.1 C ATC

20) 20-Apr-21 , 15:10:30
Mode-Ion, Sample ID: 0
921 ppm, -134.3 mV
20.1 C ATC

21) 20-Apr-21 , 15:11:07
Mode-Ion, Sample ID: 0
921 ppm, -134.3 mV
20.0 C ATC

22) 20-Apr-21 , 15:17:59 P58071
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.0 C ATC

23) 20-Apr-21 , 15:18:37
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.0 C ATC

24) 20-Apr-21 , 15:19:32
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.0 C ATC

25) 20-Apr-21 , 15:23:04 P58081
Mode-Ion, Sample ID: 0
921 ppm, -134.3 mV
20.1 C ATC

26) 20-Apr-21 , 15:23:40
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.1 C ATC

27) 20-Apr-21 , 15:24:33
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

16) 20-Apr-21 , 15:05:01 P58051
Mode-Ion, Sample ID: 0
898 ppm, -133.7 mV
20.1 C ATC

17) 20-Apr-21 , 15:05:36
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.1 C ATC

18) 20-Apr-21 , 15:06:13
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.1 C ATC

19) 20-Apr-21 , 15:09:52 P58061
Mode-Ion, Sample ID: 0
921 ppm, -134.3 mV
20.1 C ATC

20) 20-Apr-21 , 15:10:30
Mode-Ion, Sample ID: 0
921 ppm, -134.3 mV
20.1 C ATC

21) 20-Apr-21 , 15:11:07
Mode-Ion, Sample ID: 0
921 ppm, -134.3 mV
20.0 C ATC

22) 20-Apr-21 , 15:17:59 P58071
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.0 C ATC

23) 20-Apr-21 , 15:18:37
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.0 C ATC

24) 20-Apr-21 , 15:19:32
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.0 C ATC

25) 20-Apr-21 , 15:23:04 P58081
Mode-Ion, Sample ID: 0
921 ppm, -134.3 mV
20.1 C ATC

26) 20-Apr-21 , 15:23:40
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.1 C ATC

27) 20-Apr-21 , 15:24:33
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 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：

28) 20-Apr-21 , 15:27:12 P58091
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.1 C ATC

29) 20-Apr-21 , 15:27:46
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.1 C ATC

30) 20-Apr-21 , 15:28:25
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

31) 20-Apr-21 , 15:31:30 P58101
Mode-Ion, Sample ID: 0
921 ppm, -134.3 mV
20.1 C ATC

32) 20-Apr-21 , 15:32:25
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

33) 20-Apr-21 , 15:33:13
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

34) 20-Apr-21 , 15:36:04 P58111
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.1 C ATC

35) 20-Apr-21 , 15:37:18
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

36) 20-Apr-21 , 15:38:05
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

37) 20-Apr-21 , 15:40:25 P58121
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.1 C ATC

38) 20-Apr-21 , 15:41:03
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

39) 20-Apr-21 , 15:42:03
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

28) 20-Apr-21 , 15:27:12 P58091
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.1 C ATC

29) 20-Apr-21 , 15:27:46
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.1 C ATC

30) 20-Apr-21 , 15:28:25
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

31) 20-Apr-21 , 15:31:30 P58101
Mode-Ion, Sample ID: 0
921 ppm, -134.3 mV
20.1 C ATC

32) 20-Apr-21 , 15:32:25
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

33) 20-Apr-21 , 15:33:13
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

34) 20-Apr-21 , 15:36:04 P58111
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.1 C ATC

35) 20-Apr-21 , 15:37:18
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

36) 20-Apr-21 , 15:38:05
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

37) 20-Apr-21 , 15:40:25 P58121
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.1 C ATC

38) 20-Apr-21 , 15:41:03
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

39) 20-Apr-21 , 15:42:03
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 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:

40) 20-Apr-21 , 15:45:52 P58131
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.0 C ATC

41) 20-Apr-21 , 15:46:27
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

42) 20-Apr-21 , 15:47:03
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

43) 20-Apr-21 , 15:50:08 P58141
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

44) 20-Apr-21 , 15:50:47
Mode-Ion, Sample ID: 0
905 ppm, -133.9 mV
20.1 C ATC

45) 20-Apr-21 , 15:51:24
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

46) 20-Apr-21 , 15:53:42 P58151
Mode-Ion, Sample ID: 0
905 ppm, -133.9 mV
20.1 C ATC

47) 20-Apr-21 , 15:54:18
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

48) 20-Apr-21 , 15:54:54
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.1 C ATC

49) 20-Apr-21 , 15:58:03 P58161
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

50) 20-Apr-21 , 15:58:40
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.1 C ATC

51) 20-Apr-21 , 15:59:36
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.1 C ATC

40) 20-Apr-21 , 15:45:52 P58131
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.0 C ATC

41) 20-Apr-21 , 15:46:27
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

42) 20-Apr-21 , 15:47:03
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

43) 20-Apr-21 , 15:50:08 P58141
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

44) 20-Apr-21 , 15:50:47
Mode-Ion, Sample ID: 0
905 ppm, -133.9 mV
20.1 C ATC

45) 20-Apr-21 , 15:51:24
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

46) 20-Apr-21 , 15:53:42 P58151
Mode-Ion, Sample ID: 0
905 ppm, -133.9 mV
20.1 C ATC

47) 20-Apr-21 , 15:54:18
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

48) 20-Apr-21 , 15:54:54
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.1 C ATC

49) 20-Apr-21 , 15:58:03 P58161
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

50) 20-Apr-21 , 15:58:40
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.1 C ATC

51) 20-Apr-21 , 15:59:36
Mode-Ion, Sample ID: 0
894 ppm, -133.6 mV
20.1 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:

52) 20-Apr-21 , 16:01:59
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

64) 20-Apr-21 , 16:20:26 P58211
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.1 C ATC

53) 20-Apr-21 , 16:02:37
Mode-Ion, Sample ID: 0
905 ppm, -133.9 mV
20.1 C ATC

65) 20-Apr-21 , 16:21:05
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

52) 20-Apr-21 , 16:01:59
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC P58171

64) 20-Apr-21 , 16:20:26 P58211
Mode-Ion, Sample ID: 0
917 ppm, -134.2 mV
20.1 C ATC

54) 20-Apr-21 , 16:03:14
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

66) 20-Apr-21 , 16:21:45
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

53) 20-Apr-21 , 16:02:37
Mode-Ion, Sample ID: 0
905 ppm, -133.9 mV
20.1 C ATC

65) 20-Apr-21 , 16:21:05
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

55) 20-Apr-21 , 16:05:39
Mode-Ion, Sample ID: 0 P58181
909 ppm, -134.0 mV
20.1 C ATC

54) 20-Apr-21 , 16:03:14
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

66) 20-Apr-21 , 16:21:45
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

56) 20-Apr-21 , 16:06:32
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

55) 20-Apr-21 , 16:05:39
Mode-Ion, Sample ID: 0 P58181
909 ppm, -134.0 mV
20.1 C ATC

57) 20-Apr-21 , 16:07:09
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

56) 20-Apr-21 , 16:06:32
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

58) 20-Apr-21 , 16:11:26
Mode-Ion, Sample ID: 0 P58191
917 ppm, -134.2 mV
20.1 C ATC

57) 20-Apr-21 , 16:07:09
Mode-Ion, Sample ID: 0
902 ppm, -133.8 mV
20.1 C ATC

59) 20-Apr-21 , 16:12:06
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

58) 20-Apr-21 , 16:11:26
Mode-Ion, Sample ID: 0 P58191
917 ppm, -134.2 mV
20.1 C ATC

60) 20-Apr-21 , 16:12:52
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

59) 20-Apr-21 , 16:12:06
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

61) 20-Apr-21 , 16:17:33 P58201
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

60) 20-Apr-21 , 16:12:52
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

62) 20-Apr-21 , 16:18:06
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

61) 20-Apr-21 , 16:17:33 P58201
Mode-Ion, Sample ID: 0
913 ppm, -134.1 mV
20.1 C ATC

63) 20-Apr-21 , 16:18:43
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

62) 20-Apr-21 , 16:18:06
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

63) 20-Apr-21 , 16:18:43
Mode-Ion, Sample ID: 0
909 ppm, -134.0 mV
20.1 C ATC

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