

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
P58013	氟化鈉(NaF)規格應 介於 0.2%±10% 相當氟離子(F) 904ppm ± 10%	947	符合
P58023		929	符合
P58033		902	符合
P58043		909	符合
P58053		910	符合
P58063		907	符合
P58073		913	符合
P58083		917	符合
P58093		913	符合
P58103		909	符合
P58113		918	符合
P58123		908	符合
P58133		901	符合
P58143		908	符合
P58153		918	符合
P58163		906	符合
P58173		907	符合
P58183		902	符合
P58193		901	符合

Compiled By/Date: yihui Lee / 2023.05.29 Approved By/Date: Cindy deng / 2023.05.29



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)	2023.07.23
Fluoride ISA Tisabl(F00IS01)	2023.11.23

(4) 氟離子標準液測量結果

10ppm	100ppm	1000ppm
10.1	101	1004

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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 Tisab1(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)
P58013	976	934	930	947
P58023	927	930	930	929
P58033	897	905	905	902
P58043	908	908	912	909
P58053	916	908	905	910
P58063	908	908	905	907
P58073	912	916	912	913
P58083	916	916	919	917
P58093	938	901	901	913
P58103	908	908	912	909
P58113	916	919	919	918
P58123	905	908	912	908
P58133	897	901	905	901
P58143	905	908	912	908
P58153	916	919	919	918
P58163	905	908	905	906
P58173	908	905	908	907
P58183	897	905	905	902
P58193	905	901	897	901

以上檢品之產品氟化鈉(FNa)規格應介於 $0.2\% \pm 10\%$

相當氟離子(F) $904\text{ppm} \pm 10\%$

檢測者/日期：林素鈴
2023.05.26

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:
26-May-23 , 14:59:19

Ion Values	Slope
10	-57.7 mV
100	-57.4 mV
1000	

Measurement Data

- 1) 26-May-23 , 15:09:26
Mode-Ion, Sample ID: 0
10.1 ppm, -82.2 mV
20.6 C ATC
- 2) 26-May-23 , 15:10:44
Mode-Ion, Sample ID: 0
101 ppm, -139.9 mV
20.6 C ATC
- 3) 26-May-23 , 15:12:02
Mode-Ion, Sample ID: 0
1004 ppm, -197.2 mV
20.5 C ATC

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p58-013

- 4) 26-May-23 , 15:15:08
Mode-Ion, Sample ID: 0
976 ppm, -196.5 mV
20.5 C ATC
- 5) 26-May-23 , 15:16:45
Mode-Ion, Sample ID: 0
934 ppm, -195.4 mV
20.5 C ATC
- 6) 26-May-23 , 15:17:09
Mode-Ion, Sample ID: 0
930 ppm, -195.3 mV
20.5 C ATC
- 7) 26-May-23 , 15:18:27
Mode-Ion, Sample ID: 0
927 ppm, -195.2 mV
20.5 C ATC
- 8) 26-May-23 , 15:19:08
Mode-Ion, Sample ID: 0
930 ppm, -195.3 mV
20.6 C ATC
- 9) 26-May-23 , 15:20:07
Mode-Ion, Sample ID: 0
930 ppm, -195.3 mV
20.6 C ATC
- 10) 26-May-23 , 15:21:17
Mode-Ion, Sample ID: 0
897 ppm, -194.4 mV
20.6 C ATC
- 11) 26-May-23 , 15:22:35
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.7 C ATC
- 12) 26-May-23 , 15:24:22
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.8 C ATC
- 13) 26-May-23 , 15:26:17
Mode-Ion, Sample ID: 0
908 ppm, -194.7 mV
20.8 C ATC
- 14) 26-May-23 , 15:27:09
Mode-Ion, Sample ID: 0
908 ppm, -194.7 mV
20.7 C ATC
- 15) 26-May-23 , 15:28:09
Mode-Ion, Sample ID: 0
912 ppm, -194.8 mV
20.6 C ATC

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p58-053

- 16) 26-May-23 , 15:30:30
Mode-Ion, Sample ID: 0
916 ppm, -194.9 mV
20.5 C ATC
- 17) 26-May-23 , 15:32:06
Mode-Ion, Sample ID: 0
908 ppm, -194.7 mV
20.5 C ATC
- 18) 26-May-23 , 15:33:19
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.5 C ATC
- 19) 26-May-23 , 15:34:20
Mode-Ion, Sample ID: 0
908 ppm, -194.7 mV
20.5 C ATC
- 20) 26-May-23 , 15:35:16
Mode-Ion, Sample ID: 0
908 ppm, -194.7 mV
20.6 C ATC
- 21) 26-May-23 , 15:37:17
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.7 C ATC
- 22) 26-May-23 , 15:38:07
Mode-Ion, Sample ID: 0
912 ppm, -194.8 mV
20.8 C ATC
- 23) 26-May-23 , 15:39:11
Mode-Ion, Sample ID: 0
916 ppm, -194.9 mV
20.7 C ATC
- 24) 26-May-23 , 15:40:13
Mode-Ion, Sample ID: 0
912 ppm, -194.8 mV
20.7 C ATC
- 25) 26-May-23 , 15:41:39
Mode-Ion, Sample ID: 0
916 ppm, -194.9 mV
20.6 C ATC
- 26) 26-May-23 , 15:43:04
Mode-Ion, Sample ID: 0
916 ppm, -194.9 mV
20.6 C ATC
- 27) 26-May-23 , 15:44:26
Mode-Ion, Sample ID: 0
919 ppm, -195.0 mV
20.6 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:

p58-093

28) 26-May-23 , 15:46:19
Mode-Ion, Sample ID: 0
938 ppm, -195.5 mV
20.5 C ATC

29) 26-May-23 , 15:47:54
Mode-Ion, Sample ID: 0
901 ppm, -194.5 mV
20.5 C ATC

30) 26-May-23 , 15:49:37
Mode-Ion, Sample ID: 0
901 ppm, -194.5 mV
20.5 C ATC

p58-103

31) 26-May-23 , 15:50:35
Mode-Ion, Sample ID: 0
908 ppm, -194.7 mV
20.5 C ATC

32) 26-May-23 , 15:52:28
Mode-Ion, Sample ID: 0
908 ppm, -194.7 mV
20.6 C ATC

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33) 26-May-23 , 15:53:29
Mode-Ion, Sample ID: 0
912 ppm, -194.8 mV
20.6 C ATC

p58-113

34) 26-May-23 , 15:55:15
Mode-Ion, Sample ID: 0
916 ppm, -194.9 mV
20.6 C ATC

35) 26-May-23 , 15:57:12
Mode-Ion, Sample ID: 0
919 ppm, -195.0 mV
20.5 C ATC

36) 26-May-23 , 15:58:51
Mode-Ion, Sample ID: 0
919 ppm, -195.0 mV
20.5 C ATC

p58-123

37) 26-May-23 , 15:59:57
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.5 C ATC

38) 26-May-23 , 16:00:54
Mode-Ion, Sample ID: 0
908 ppm, -194.7 mV
20.4 C ATC

39) 26-May-23 , 16:01:40
Mode-Ion, Sample ID: 0
912 ppm, -194.8 mV
20.4 C ATC

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p58-133

40) 26-May-23 , 16:03:20
Mode-Ion, Sample ID: 0
897 ppm, -194.4 mV
20.5 C ATC

41) 26-May-23 , 16:04:44
Mode-Ion, Sample ID: 0
901 ppm, -194.5 mV
20.5 C ATC

42) 26-May-23 , 16:07:24
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.5 C ATC

p58-143

43) 26-May-23 , 16:08:38
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.5 C ATC

44) 26-May-23 , 16:09:37
Mode-Ion, Sample ID: 0
908 ppm, -194.7 mV
20.5 C ATC

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45) 26-May-23 , 16:11:13
Mode-Ion, Sample ID: 0
912 ppm, -194.8 mV
20.4 C ATC

p58-153

46) 26-May-23 , 16:13:31
Mode-Ion, Sample ID: 0
916 ppm, -194.9 mV
20.3 C ATC

47) 26-May-23 , 16:14:40
Mode-Ion, Sample ID: 0
919 ppm, -195.0 mV
20.3 C ATC

48) 26-May-23 , 16:15:44
Mode-Ion, Sample ID: 0
919 ppm, -195.0 mV
20.4 C ATC

p58-163

49) 26-May-23 , 16:16:49
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.5 C ATC

50) 26-May-23 , 16:18:28
Mode-Ion, Sample ID: 0
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51) 26-May-23 , 16:19:37
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
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p58-173

52) 26-May-23 , 16:21:29
Mode-Ion, Sample ID: 0
908 ppm, -194.7 mV
20.7 C ATC

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Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
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54) 26-May-23 , 16:23:45
Mode-Ion, Sample ID: 0
908 ppm, -194.7 mV
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p58-183

55) 26-May-23 , 16:25:12
Mode-Ion, Sample ID: 0
897 ppm, -194.4 mV
20.7 C ATC

56) 26-May-23 , 16:26:24
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
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57) 26-May-23 , 16:28:32
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.6 C ATC

p58-193

58) 26-May-23 , 16:31:29
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.7 C ATC

59) 26-May-23 , 16:32:34
Mode-Ion, Sample ID: 0
901 ppm, -194.5 mV
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Mode-Ion, Sample ID: 0
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Mode-Ion, Sample ID: 0
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20.8 C ATC
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20.5 C ATC

p58-103
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p58-113
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Mode-Ion, Sample ID: 0
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Mode-Ion, Sample ID: 0
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Mode-Ion, Sample ID: 0
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Lin 2023.05.26

p58-133

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Mode-Ion, Sample ID: 0
897 ppm, -194.4 mV
20.5 C ATC

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Mode-Ion, Sample ID: 0
901 ppm, -194.5 mV
20.5 C ATC

42) 26-May-23 , 16:07:24
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.5 C ATC

p58-143
43) 26-May-23 , 16:08:38
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.5 C ATC

44) 26-May-23 , 16:09:37
Mode-Ion, Sample ID: 0
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p58-153
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Mode-Ion, Sample ID: 0
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20.3 C ATC

47) 26-May-23 , 16:14:40
Mode-Ion, Sample ID: 0
919 ppm, -195.0 mV
20.3 C ATC

48) 26-May-23 , 16:15:44
Mode-Ion, Sample ID: 0
919 ppm, -195.0 mV
20.4 C ATC

p58-163
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Mode-Ion, Sample ID: 0
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51) 26-May-23 , 16:19:37
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20.6 C ATC

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p58-173

52) 26-May-23 , 16:21:29
Mode-Ion, Sample ID: 0
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Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.7 C ATC

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Mode-Ion, Sample ID: 0
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20.7 C ATC

p58-183
55) 26-May-23 , 16:25:12
Mode-Ion, Sample ID: 0
897 ppm, -194.4 mV
20.7 C ATC

56) 26-May-23 , 16:26:24
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.7 C ATC

57) 26-May-23 , 16:28:32
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.6 C ATC

p58-193
58) 26-May-23 , 16:31:29
Mode-Ion, Sample ID: 0
905 ppm, -194.6 mV
20.7 C ATC

59) 26-May-23 , 16:32:34
Mode-Ion, Sample ID: 0
901 ppm, -194.5 mV
20.7 C ATC

60) 26-May-23 , 16:34:47
Mode-Ion, Sample ID: 0
897 ppm, -194.4 mV
20.7 C ATC

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