西德有機
Shiteh Organic

漱口水之氟含量檢測報告

檢體編號	規格	結果	判定
P58015	氟化鈉(NaF)規格應介於 0.2%±10% 相當氟離子(F) 904ppm±10% (813.6~994.4ppm)	938	符合
P58025		926	符合
P58035		925	符合
P58045		934	符合
P58055		923	符合
P58065		958	符合
P58075		944	符合
P58085		918	符合
P58095		928	符合
P58105		921	符合
P58115		936	符合
P58125		932	符合
P58135		936	符合
P58145		938	符合
P58155		944	符合
P58165		921	符合
P58175		933	符合
P58185		934	符合
P58195		915	符合
P58205		927	符合

Conclusion:

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

西德有機化學藥品股份有限公司 TEL:2981-1451 臺北市三重區中正北路660巷30號

Compiled By/Date: yihui Lee / 2025.04.17 **Approved By/Date:** Cindy deng 2025.04.17

Supervisor of QC Dept. **Supervisor of QM Dept.**

西德有機
Shiteh Organic

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)	2025.05.12
Fluoride ISA Tisab1(F00ISO1)	2026.11.30

3 儀器電極校正

2.1 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	-57.1
100ppm	1000ppm	-56.8

操作者/日期: 林素鈴
2025.04.16

西德有機
Shiteh Organic

漱口水之氟含量檢測程序與紀錄

2.2 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 ±3%

(3) 紀錄

校正檢量線	10ppm	100ppm	1000ppm
回測校正值	10.0	100	1000
合格標準 容差±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
2025-04-16

2.3 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)

西德有機
Shiteh Organic

漱口水之氟含量檢測程序與紀錄

檢體批號	ppm			平均值(ppm)
P58015	945	937	933	938
P58025	930	922	926	926
P58035	926	911	937	925
P58045	933	937	933	934
P58055	911	926	933	923
P58065	953	964	956	958
P58075	949	945	937	944
P58085	915	918	922	918
P58095	937	922	926	928
P58105	911	922	930	921
P58115	937	933	937	936
P58125	926	937	933	932
P58135	930	937	941	936
P58145	941	937	937	938
P58155	949	945	937	944
P58165	918	922	922	921
P58175	926	937	937	933
P58185	937	933	933	934
P58195	915	918	911	915
P58205	926	930	926	927

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

檢測者/日期: 林素鈴 2025-04-16

西德有機
Shiteh Organic

漱口水之氟含量檢測程序與紀錄

原始數據黏貼處:

Q88

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:
16-04-25 , 16:40:15

Ion Values	Slope
10	
	-57.1 mV
100	
	-56.8 mV
1000	

Measurement Data

---

1) 16-04-25 , 16:49:48
Mode-Ion,Sample ID: 0
10.0 ppm,-65.9 mV
19.8 C ATC

2) 16-04-25 , 16:51:53
Mode-Ion,Sample ID: 0
100 ppm,-123.0 mV
19.9 C ATC

3) 16-04-25 , 16:54:54
Mode-Ion,Sample ID: 0
1000 ppm,-179.7 mV
19.9 C ATC

Lin 2015.04.16

P58-015

4) 16-04-25 , 17:11:46
Mode-Ion,Sample ID: 0
945 ppm,-178.3 mV
19.7 C ATC

5) 16-04-25 , 17:13:03
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.8 C ATC

6) 16-04-25 , 17:14:33
Mode-Ion,Sample ID: 0
933 ppm,-178.0 mV
19.8 C ATC

P58-025

7) 16-04-25 , 17:17:40
Mode-Ion,Sample ID: 0
930 ppm,-177.9 mV
19.7 C ATC

8) 16-04-25 , 17:18:53
Mode-Ion,Sample ID: 0
922 ppm,-177.7 mV
19.7 C ATC

9) 16-04-25 , 17:19:39
Mode-Ion,Sample ID: 0
926 ppm,-177.8 mV
19.8 C ATC

P58-035

10) 16-04-25 , 17:22:28
Mode-Ion,Sample ID: 0
926 ppm,-177.8 mV
19.7 C ATC

11) 16-04-25 , 17:24:32
Mode-Ion,Sample ID: 0
911 ppm,-177.4 mV
19.8 C ATC

12) 16-04-25 , 17:28:10
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.8 C ATC

P58-045

13) 16-04-25 , 17:29:36
Mode-Ion,Sample ID: 0
933 ppm,-178.0 mV
19.8 C ATC

14) 16-04-25 , 17:30:48
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.9 C ATC

15) 16-04-25 , 17:31:44
Mode-Ion,Sample ID: 0
933 ppm,-178.0 mV
19.9 C ATC

Lin 2015.04.16

P58-055

16) 16-04-25 , 17:33:31
Mode-Ion,Sample ID: 0
911 ppm,-177.4 mV
19.8 C ATC

17) 16-04-25 , 17:37:00
Mode-Ion,Sample ID: 0
926 ppm,-177.8 mV
19.6 C ATC

18) 16-04-25 , 17:38:31
Mode-Ion,Sample ID: 0
933 ppm,-178.0 mV
19.5 C ATC

P58-065

19) 16-04-25 , 17:39:55
Mode-Ion,Sample ID: 0
953 ppm,-178.5 mV
19.6 C ATC

20) 16-04-25 , 17:42:42
Mode-Ion,Sample ID: 0
964 ppm,-178.8 mV
19.6 C ATC

21) 16-04-25 , 17:43:51
Mode-Ion,Sample ID: 0
956 ppm,-178.6 mV
19.6 C ATC

P58-075

22) 16-04-25 , 17:45:19
Mode-Ion,Sample ID: 0
949 ppm,-178.4 mV
19.5 C ATC

23) 16-04-25 , 17:46:27
Mode-Ion,Sample ID: 0
945 ppm,-178.3 mV
19.5 C ATC

24) 16-04-25 , 17:47:54
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.6 C ATC

P58-085

25) 16-04-25 , 17:49:45
Mode-Ion,Sample ID: 0
915 ppm,-177.5 mV
19.6 C ATC

26) 16-04-25 , 17:50:35
Mode-Ion,Sample ID: 0
918 ppm,-177.6 mV
19.7 C ATC

27) 16-04-25 , 17:51:45
Mode-Ion,Sample ID: 0
922 ppm,-177.7 mV
19.6 C ATC

Lin 2015.04.16

西德有機
Shiteh Organic

漱口水之氟含量檢測程序與紀錄

原始數據黏貼處:

P58-095

28) 16-04-25 , 17:52:37
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.6 C ATC

29) 16-04-25 , 17:53:58
Mode-Ion,Sample ID: 0
922 ppm,-177.7 mV
19.6 C ATC

30) 16-04-25 , 17:55:21
Mode-Ion,Sample ID: 0
926 ppm,-177.8 mV
19.5 C ATC

P58-105

31) 16-04-25 , 17:56:44
Mode-Ion,Sample ID: 0
911 ppm,-177.4 mV
19.6 C ATC

32) 16-04-25 , 17:57:23
Mode-Ion,Sample ID: 0
922 ppm,-177.7 mV
19.5 C ATC

33) 16-04-25 , 17:58:29
Mode-Ion,Sample ID: 0
930 ppm,-177.9 mV
19.6 C ATC

P58-115

34) 16-04-25 , 17:59:41
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.6 C ATC

35) 16-04-25 , 18:00:34
Mode-Ion,Sample ID: 0
933 ppm,-178.0 mV
19.7 C ATC

36) 16-04-25 , 18:02:24
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.5 C ATC

P58-125

37) 16-04-25 , 18:03:16
Mode-Ion,Sample ID: 0
926 ppm,-177.8 mV
19.5 C ATC

38) 16-04-25 , 18:04:23
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.7 C ATC

39) 16-04-25 , 18:05:17
Mode-Ion,Sample ID: 0
933 ppm,-178.0 mV
19.7 C ATC

Lin 2015.04.16

P58-135

40) 16-04-25 , 18:06:47
Mode-Ion,Sample ID: 0
930 ppm,-177.9 mV
19.7 C ATC

41) 16-04-25 , 18:08:14
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.8 C ATC

42) 16-04-25 , 18:10:53
Mode-Ion,Sample ID: 0
941 ppm,-178.2 mV
19.8 C ATC

P58-145

43) 16-04-25 , 18:12:22
Mode-Ion,Sample ID: 0
941 ppm,-178.2 mV
19.7 C ATC

44) 16-04-25 , 18:13:23
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.6 C ATC

45) 16-04-25 , 18:14:47
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.6 C ATC

P58-155

46) 16-04-25 , 18:17:53
Mode-Ion,Sample ID: 0
949 ppm,-178.4 mV
19.8 C ATC

47) 16-04-25 , 18:18:51
Mode-Ion,Sample ID: 0
945 ppm,-178.3 mV
19.9 C ATC

48) 16-04-25 , 18:20:24
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.9 C ATC

P58-165

49) 16-04-25 , 18:21:45
Mode-Ion,Sample ID: 0
918 ppm,-177.6 mV
20.0 C ATC

50) 16-04-25 , 18:22:41
Mode-Ion,Sample ID: 0
922 ppm,-177.7 mV
19.9 C ATC

51) 16-04-25 , 18:24:32
Mode-Ion,Sample ID: 0
922 ppm,-177.7 mV
19.9 C ATC

Lin 2015.04.16

P58-175

52) 16-04-25 , 18:25:47
Mode-Ion,Sample ID: 0
926 ppm,-177.8 mV
19.9 C ATC

53) 16-04-25 , 18:26:30
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.9 C ATC

54) 16-04-25 , 18:28:09
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.9 C ATC

P58-185

55) 16-04-25 , 18:29:12
Mode-Ion,Sample ID: 0
937 ppm,-178.1 mV
19.9 C ATC

56) 16-04-25 , 18:31:02
Mode-Ion,Sample ID: 0
933 ppm,-178.0 mV
19.9 C ATC

57) 16-04-25 , 18:32:18
Mode-Ion,Sample ID: 0
933 ppm,-178.0 mV
20.0 C ATC

P58-195

58) 16-04-25 , 18:33:54
Mode-Ion,Sample ID: 0
915 ppm,-177.5 mV
20.0 C ATC

59) 16-04-25 , 18:35:33
Mode-Ion,Sample ID: 0
918 ppm,-177.6 mV
19.8 C ATC

60) 16-04-25 , 18:37:00
Mode-Ion,Sample ID: 0
911 ppm,-177.4 mV
19.8 C ATC

P58-205

61) 16-04-25 , 18:38:32
Mode-Ion,Sample ID: 0
926 ppm,-177.8 mV
19.9 C ATC

62) 16-04-25 , 18:40:39
Mode-Ion,Sample ID: 0
930 ppm,-177.9 mV
19.9 C ATC

63) 16-04-25 , 18:42:53
Mode-Ion,Sample ID: 0
926 ppm,-177.8 mV
19.8 C ATC

Lin 2015.04.16