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
P58396	氟化鈉(NaF)規格應介於 0.2%±10% 相當氟離子(F) 904ppm±10% (813.6~994.4ppm)	909	符合
P58406		886	符合
P58416		881	符合
P58426		915	符合
P58436		850	符合
P58446		871	符合
P58456		869	符合
P58466		859	符合
P58476		852	符合
P58486		854	符合
P58496		854	符合
P58506		851	符合
P58516		860	符合
P58526		864	符合
P58536		853	符合
P58546		859	符合
P58556		866	符合
P58566		860	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 新北市三重區中正北路560巷36號

Compiled By/Date: yihui Lee / 2026.10.19 **Approved By/Date:** Cindy deng 2026.10.19

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

西德有機
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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	2028.06.13
Fluoride ISA	2027.09

3 儀器電極校正

3.1 校正程序

(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 10ml 加水定量至 100ml。

(4)以 10ppm、100ppm、1000ppm 各 2.5ml 及各加 2.5ml Fluoride ISA

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	-58.9
100ppm	1000ppm	-58.9

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 ±3%

(3) 紀錄

校正檢量線	10ppm	100ppm	1000ppm
回測校正值	10	101	1004
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
2026.10.16

3.3 檢品檢測

每批(瓶)漱口水檢品各取 2.5mL，加入 2.5mL Fluoride ISA，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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漱口水之氟含量檢測程序與紀錄

檢體批號	ppm			平均值(ppm)
P58396	918	903	907	909
P58406	889	886	882	886
P58416	882	882	879	881
P58426	921	914	910	915
P58436	862	845	842	850
P58446	882	869	862	871
P58456	872	869	865	869
P58466	862	855	859	859
P58476	855	852	849	852
P58486	859	855	849	854
P58496	839	865	859	854
P58506	852	849	852	851
P58516	865	859	855	860
P58526	869	862	862	864
P58536	855	855	849	853
P58546	862	859	855	859
P58556	869	865	865	866
P58566	869	865	845	860

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
2018.10.16

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漱口水之氟含量檢測程序與紀錄

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:
16-10-26 , 16:08:44

Ion Values	Slope
10	
	-58.9 mV
100	
	-58.9 mV
1000	

Measurement Data

---

1) 16-10-26 , 16:16:47
Mode-Ion,Sample ID: 0
1004 ppm,-158.3 mV
22.0 C ATC

2) 16-10-26 , 16:18:49
Mode-Ion,Sample ID: 0
101 ppm,-99.5 mV
22.0 C ATC

3) 16-10-26 , 16:21:12
Mode-Ion,Sample ID: 0
10.0 ppm,-40.5 mV
21.9 C ATC

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P58-396

4) 16-10-26 , 16:38:11
Mode-Ion,Sample ID: 0
918 ppm,-156.0 mV
22.1 C ATC

5) 16-10-26 , 16:39:16
Mode-Ion,Sample ID: 0
903 ppm,-155.6 mV
22.0 C ATC

6) 16-10-26 , 16:41:29
Mode-Ion,Sample ID: 0
907 ppm,-155.7 mV
22.0 C ATC

P58-406

7) 16-10-26 , 16:42:21
Mode-Ion,Sample ID: 0
889 ppm,-155.2 mV
22.1 C ATC

8) 16-10-26 , 16:43:07
Mode-Ion,Sample ID: 0
886 ppm,-155.1 mV
22.1 C ATC

9) 16-10-26 , 16:44:02
Mode-Ion,Sample ID: 0
882 ppm,-155.0 mV
22.0 C ATC

P58-416

10) 16-10-26 , 16:45:05
Mode-Ion,Sample ID: 0
882 ppm,-155.0 mV
22.0 C ATC

11) 16-10-26 , 16:46:38
Mode-Ion,Sample ID: 0
882 ppm,-155.0 mV
22.0 C ATC

12) 16-10-26 , 16:47:42
Mode-Ion,Sample ID: 0
879 ppm,-154.9 mV
22.0 C ATC

P58-426

13) 16-10-26 , 16:48:42
Mode-Ion,Sample ID: 0
921 ppm,-156.1 mV
22.0 C ATC

14) 16-10-26 , 16:50:11
Mode-Ion,Sample ID: 0
914 ppm,-155.9 mV
22.1 C ATC

15) 16-10-26 , 16:51:14
Mode-Ion,Sample ID: 0
910 ppm,-155.8 mV
22.1 C ATC

P58-436

16) 16-10-26 , 16:52:24
Mode-Ion,Sample ID: 0
862 ppm,-154.4 mV
22.1 C ATC

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P58-436

17) 16-10-26 , 16:54:23
Mode-Ion,Sample ID: 0
845 ppm,-153.9 mV
22.2 C ATC

18) 16-10-26 , 16:55:52
Mode-Ion,Sample ID: 0
842 ppm,-153.8 mV
22.1 C ATC

P58-446

19) 16-10-26 , 16:56:55
Mode-Ion,Sample ID: 0
882 ppm,-155.0 mV
22.0 C ATC

20) 16-10-26 , 16:57:25
Mode-Ion,Sample ID: 0
869 ppm,-154.6 mV
22.0 C ATC

21) 16-10-26 , 16:58:45
Mode-Ion,Sample ID: 0
862 ppm,-154.4 mV
22.0 C ATC

P58-456

22) 16-10-26 , 16:59:14
Mode-Ion,Sample ID: 0
872 ppm,-154.7 mV
22.0 C ATC

23) 16-10-26 , 17:00:23
Mode-Ion,Sample ID: 0
869 ppm,-154.6 mV
22.0 C ATC

24) 16-10-26 , 17:01:39
Mode-Ion,Sample ID: 0
865 ppm,-154.5 mV
22.0 C ATC

P58-466

25) 16-10-26 , 17:02:49
Mode-Ion,Sample ID: 0
862 ppm,-154.4 mV
22.1 C ATC

26) 16-10-26 , 17:03:21
Mode-Ion,Sample ID: 0
855 ppm,-154.2 mV
22.1 C ATC

27) 16-10-26 , 17:04:40
Mode-Ion,Sample ID: 0
859 ppm,-154.3 mV
22.2 C ATC

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原始

P58-476

28) 16-10-26 , 17:05:47
Mode-Ion,Sample ID: 0
855 ppm,-154.2 mV
22.2 C ATC

29) 16-10-26 , 17:07:15
Mode-Ion,Sample ID: 0
852 ppm,-154.1 mV
22.2 C ATC

30) 16-10-26 , 17:08:49
Mode-Ion,Sample ID: 0
849 ppm,-154.0 mV
22.1 C ATC

P58-486

31) 16-10-26 , 17:09:22
Mode-Ion,Sample ID: 0
859 ppm,-154.3 mV
22.1 C ATC

32) 16-10-26 , 17:10:04
Mode-Ion,Sample ID: 0
855 ppm,-154.2 mV
22.1 C ATC

33) 16-10-26 , 17:11:13
Mode-Ion,Sample ID: 0
849 ppm,-154.0 mV
22.2 C ATC

P58-496

34) 16-10-26 , 17:12:10
Mode-Ion,Sample ID: 0
839 ppm,-153.7 mV
22.3 C ATC

35) 16-10-26 , 17:13:03
Mode-Ion,Sample ID: 0
865 ppm,-154.5 mV
22.3 C ATC

36) 16-10-26 , 17:15:39
Mode-Ion,Sample ID: 0
859 ppm,-154.3 mV
22.4 C ATC

P58-506

37) 16-10-26 , 17:16:18
Mode-Ion,Sample ID: 0
852 ppm,-154.1 mV
22.4 C ATC

38) 16-10-26 , 17:17:06
Mode-Ion,Sample ID: 0
849 ppm,-154.0 mV
22.3 C ATC

39) 16-10-26 , 17:18:10
Mode-Ion,Sample ID: 0
852 ppm,-154.1 mV
22.3 C ATC

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P58-516

40) 16-10-26 , 17:19:12
Mode-Ion,Sample ID: 0
865 ppm,-154.5 mV
22.3 C ATC

41) 16-10-26 , 17:20:16
Mode-Ion,Sample ID: 0
859 ppm,-154.3 mV
22.2 C ATC

42) 16-10-26 , 17:21:06
Mode-Ion,Sample ID: 0
855 ppm,-154.2 mV
22.2 C ATC

P58-526

43) 16-10-26 , 17:22:03
Mode-Ion,Sample ID: 0
869 ppm,-154.6 mV
22.2 C ATC

44) 16-10-26 , 17:23:10
Mode-Ion,Sample ID: 0
862 ppm,-154.4 mV
22.2 C ATC

45) 16-10-26 , 17:24:05
Mode-Ion,Sample ID: 0
862 ppm,-154.4 mV
22.2 C ATC

P58-536

46) 16-10-26 , 17:25:02
Mode-Ion,Sample ID: 0
855 ppm,-154.2 mV
22.2 C ATC

47) 16-10-26 , 17:27:45
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855 ppm,-154.2 mV
22.3 C ATC

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Mode-Ion,Sample ID: 0
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P58-546

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Mode-Ion,Sample ID: 0
862 ppm,-154.4 mV
22.2 C ATC

50) 16-10-26 , 17:31:17
Mode-Ion,Sample ID: 0
859 ppm,-154.3 mV
22.2 C ATC

51) 16-10-26 , 17:32:12
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855 ppm,-154.2 mV
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P58-556

52) 16-10-26 , 17:33:33
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869 ppm,-154.6 mV
22.2 C ATC

53) 16-10-26 , 17:35:26
Mode-Ion,Sample ID: 0
865 ppm,-154.5 mV
22.2 C ATC

54) 16-10-26 , 17:37:13
Mode-Ion,Sample ID: 0
865 ppm,-154.5 mV
22.2 C ATC

P58-566

55) 16-10-26 , 17:38:43
Mode-Ion,Sample ID: 0
869 ppm,-154.6 mV
22.2 C ATC

56) 16-10-26 , 17:39:26
Mode-Ion,Sample ID: 0
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	-58.9 mV
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P58-406

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P58-416

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P58-426

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P58-436

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P58-436

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P58-446

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P58-456

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P58-466

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P58-486

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P58-496

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P58-506

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22.4 C ATC

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P58-516

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P58-526

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P58-536

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P58-546

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Mode-Ion,Sample ID: 0
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22.2 C ATC

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Mode-Ion,Sample ID: 0
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22.2 C ATC

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Mode-Ion,Sample ID: 0
865 ppm,-154.5 mV
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P58-566

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Mode-Ion,Sample ID: 0
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Mode-Ion,Sample ID: 0
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22.2 C ATC

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