

Lace Au Local		
11 Finetech Syringe Filter Advantages	Finetech	Low Priced Filter (China)
1. Produced in class 10,000 clean room environment to ensure the product's cleanliness and to prevent contamination.	0	X
2. The inlet and outlet meets the requirements of ISO 594-1. The tight connection between syringe and filter prevents any leakage.	0	X
3. Number on filter housing for traceability and quality control.	0	X
4. Compliance with ISO9001, ISO13485, and GMP (Good Manufacturing Practice) certification to ensure standard production process and management.	0	x e
5. Patented drainage design of outlet that makes the liquid flow easily.	0	X
6. The 25mm syringe filters are double layer for filtering large particles and highly viscous samples.		xch
7. Syringe filter does not contain plasticizer.	0	X
8. Filter housing made of medical grade (USP Plastic Class VI) PP.	0	X
9. HPLC extractables tested between Finetech and Millipore.	0	X
10. Residual volume test meets international requirement.	0	X
11. Burst test greater than 5 kg/cm <sup>2</sup> .	0	X

## 1. Produced in Class 10,000 Clean Room

Airborne Particulate Cleanliness Classes Clean room which meets the American Federal Standard 209E

Class		Level limit									
		0.1µm:		0.7µm		9.3µm	9	6.hm	6.hpm		
		育団 単位		据状	降机	25.50	單门	1079	82	19.10	Mile
IS.	共射	(ml)	(fid)	(m2)	(nd)	(m3)	iria	(m2)	(00)	(ml)	(rid)
M4.5	1100	4	0	+ 4				31300	1200	347	7.86
545				99.				100000	2836	niz.	17.5
M5.5	iteos	4-1		HC		100		123000	10000	2479	70.6
M6		68		10)			П	1000000	28306	PRIN	(2)
M6.5	100000	55	1	40		1-5		3530000	1000	00 21700	700
M7				139	1			10000000	2878	MI WINED	1291
Annahite		7			1	Searche (A.F.5 Sans 100 Chara 10) Chara 100	900	Biological Fac Per ep. 9. 0. 1 0. 5 2.5	fcles	Barbegical 7 Per sq ft v 1,20 4,00 50,00	eek.
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- 1. Clean room environment prevents dust and hair contamination.
- 2. Reduces particles especially from the outlet of the filter, which will protect columns from damage

### Federal Standard 209E

Mode: Single Star: Time:2015-07-15 14:09:10 Stop: Time:2016-07-15 14:24:00

Stop Ti	re-2015-07-	15 14:24:00					
ation.	Status	Sampling Time(Sec	Times	0.3am	0.5/2m	5.0um	U
1	OK	60	1	7580	400	20	. 4
2	OK	60	1	2320	540	0	. 4
3	OK	60	1	770	50	10	A
4	OK	60	1	8540	260	0	, A
5	OK	60	1	6030	360	0	Ä
6	OK	60	1	10400	270	0	03
7	OK	60	1	2020	180	0	A
8	OX	160	1	5810	300	10	A



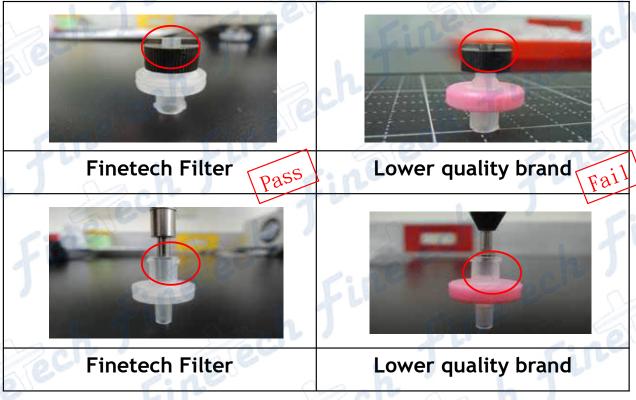


## 2. Complies with ISO 594-1

Inlet and Outlet connects tightly with syringes and needles.

Meets all the requirements of ISO 594-1 (6% Luer)

(\*Luer locks are used in a variety of medical devices and drug delivery applications)



Disadvantages of not complying with ISO 594-1:

- 1. Difficult to conform to internationally standardized components and instruments.
- 2. Easy to leak and lose sample
- 3. Solvents can also spray out from the inlet, putting the operator at risk.



# 4. ISO9001, ISO13485 Certified





\*Finetech's production and management are under accordance with ISO 9001, ISO 13485, and GMP

## 4. GMP (Good Manufacturing Practice) Certified

### MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 201347-2016-AQ-8GC-NA Statist certification di 31 Account, 2016 31 August, 2016 - 28 February, 2019

This is to certify that the management system of

### Finetech Research and Innovation Corp.

No. 29, Anle St., Xiushui Township, Changhua County S04, Taiwan

has been found to conform to the management system standard

ISO 13485:2003

This certificate is valid for the following Scope:

Design, Manufacture, Sales and Trading of Transducer Protector, Recirculation Connector and Female Luer Lock Cap for Medical Use. Manufacturing process of GMP guarantees perfect quality

Place and date: Havik, 31 August, 201



For the issuing office: DNV GL Business Assurance Norway At Veritasveien 1, 1322 Hovik, Norway



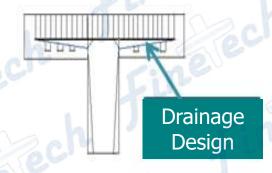
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## 5. Patented Drainage Design of Outlet

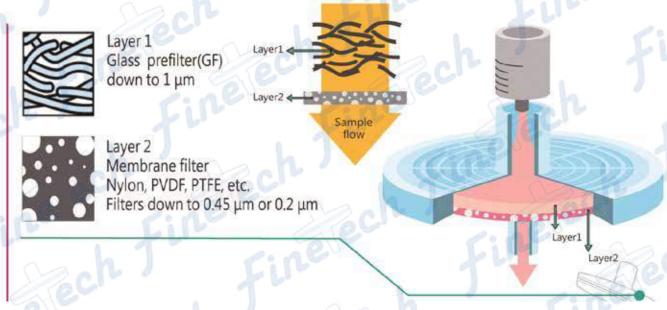




\*Allows liquids to easily flow out. Which lowers the "Hold-up Volume".

- Syringe Filter Patent
- Patent No.: M417540

# 6. Double Layer Filter Design



- Increased filter durability
- Higher volume throughput
- Filters high particulate samples

\*The added PP or GF membrane prefilter allows for the filtering of larger particles and viscous liquids.

## 7. Plasticizer SGS (Phthalate) Test Report



### 測試報告 **Test Report**

PROTECTOR FILTER TECHNOLOGY CORP. 臺中市南屯區文山九街72號

NO. 72, WEN-SHAN 9TH STREET, NAN-TUN DISTRICT, TAI-CHUNG CITY TAIWAN

测试结果(Test Results)

测試郵位(PART NAME) No.1

测试项目	單位	测試方法 (Method)	方法債測 極限値	结果 (Result)
(Test Items)	(Unit)	(Method)	(MDL)	No.1
可塑劑定量分析 / Phthalates	50°	(A)	2	
都苯二甲酸甲苯基丁酯 / BBP (Benzyl butyl phthalate) (CAS No.: 85-68-7)	%	1.00	0.003	n.d.
鄭笨二甲酸二 (2-乙基己基)酯 / DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	%	Fill	0.003	n.d.
那苯二甲酸二異癸酯 / DIDP (Di- isodecyl phthalate) (CAS No.: 26761-40-0)	*	李考EN 14372, 以氣相層析儀/質 譜儀檢測之。/ With reference	0.01	n.d.
解苯二甲酸二異壬酯 / DINP (Di- isononyl phthalate) (CAS No.: 28553-12-0)	9*C	to EN 14372. Analysis was performed by GC/MS.	0.01	n.d.
鄭某二甲酸二正辛酯 / DNOP (Di-n- octyl phthalate) (CAS No.: 117-84- 0)	%	ナル	0.003	n.d.
鄭某二甲酸二丁酯 / DBP (Dībutyl phthalate) (CAS No.: 84-74-2)	96		0.003	n.d.

- 1. mg/kg = ppm : 0.1wt% = 1000ppm
- 2. n.d. = Not Detected (未檢出)
- 3. MDL = Method Detection Limit (方法偵測極限值)
- 4. 樣品的測試是基於申請人要求混合測試,報告中的混合測試結果不代表 (The samples was/were analyzed on behalf of the applicant as mixing sample in one testing. The above results was/were only given as the informality value.)

8. Medical Grade PP Material Certification

Confidential TCLVI EO7

C.F. Tsai
Formosa Plastics Corporation
I Hsin-Hwa 1st Road
Lin-Yuan Village
Kaohsiung Hsien,
Taiwan

Lab No. P.O. No. Test Facility: 07T\_41446\_11 75708007 NAMSA 6750 Wales Road Northwood, OH 43619

### REISSUED REPORT

CERTIFICATE OF COMPLIANCE
USP BIOLOGICAL REACTIVITY TESTS, IN VIVO

USP PLASTIC CLASS VI

Test Article: ID No. Polypropylene Pellets, YOUNGSOX 5090T

No. See Test Article

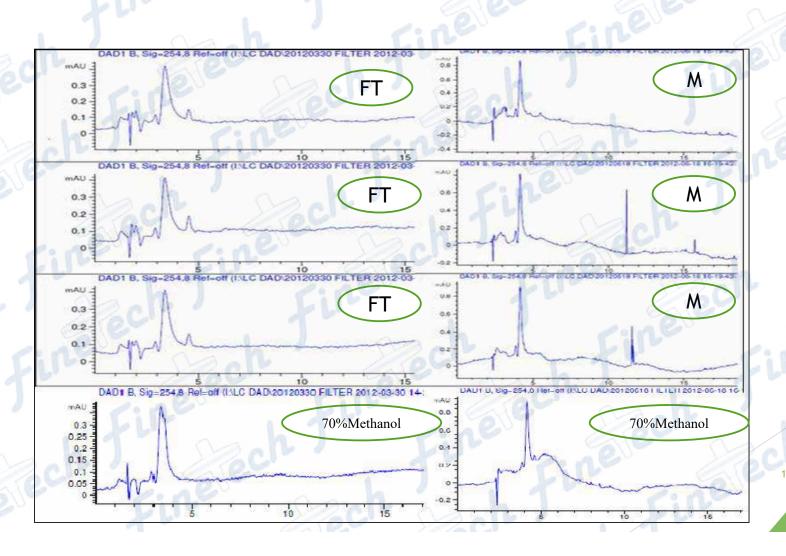
USP Systemic Toxicity Study in the Mouse: The test article was prepared as indicated below and injected into mice. The saline, alcohol in saline, polyethylene glycol 400 and sesame oil extracts did not produce a significantly greater systemic reaction than the blank extractants.

USP Intracutaneous Toxicity Study in the Rabbit: The test article was prepared as indicated below and injected intracutaneously into rabbits. The saline, alcohol in saline, polyethylene glycol 400 and sesame oil extracts did not produce a significantly greater tissue reaction than the blank extractants.

USP Muscle Implantation Study in the Rabbit: The macroscopic reaction of the test article, implanted in rabbit muscle for I week, was not significant when compared to the USP negative control plastic.

The test article was prepared at a ratio of 4 g:20 ml and extracted at 70°C for 24 hours. The test article extracts met the requirements of a USP Plastic Class VI.

# 9. HPLC Extractables Test: Finetech vs M Brand Report (tested by National Chung Hsing University)



## 10. Finetech and Millipore Volume Residual Test

Product	Company	Sample 1 Residual Volume (mL)	Sample 2 Residual Volume (mL)	Sample 3 Residual Volume (mL)	Average Residual Volume (mL)
33mm (Hydophilic) PVDF0.22μm	Millipore	0.0558	0.0581	0.0443	0.0527
25mm (Hydophilic) PVDF0.22μm	Finetech	0.0857	0.0933	0.0889	0.0893
25mm (Hydrophobic) PTFE0.22μm	Millipore	0.1272	0.1443	0.1103	0.1273
25mm (Hydrophobic) PTFE0.22μm	Finetech	0.0555	0.0596	0.1645	0.0932
33mm (Hydophilic) Nylon0.45µm	Millipore	0.0850	0.0912	0.0677	0.0813
25mm (Hydophilic) Nylon0.45µm	Finetech	0.0599	0.0760	0.0614	0.0658
33mm (Hydophilic) Nylon0.2µm	Millipore	0.0928	0.0942	0.0738	0.0869
25mm (Hydophilic) Nylon0.2µm	Finetech	0.0584	0.0743	0.0876	0.0734

# 11. Burst Test



\*Finetech's syringe filters can withstand 5 kg/cm<sup>2</sup> of pressure ch Fine ech the ech fine Fine ech fin