

Company: SHENZHEN SELEN SCIENCE & TECHNOLOGY CO., LTD

Sponsor: Qiong Li

Address: Floor 13&14, Chuangyi Building, No. 3025 Nanhai Blvd., Nanshan District Shenzhen, CHINA

Dear Qiong Li,

This letter is to summarize the 3ply face mask, SPP+ filter results, project number 20-103A.

All testing was conducted in accordance with EN 14683:2019. The following performance requirements for medical face masks under this standard are as outlined in Table 1.

Testing Facility
 Nelson Laboratories, LCC
 6280 S. Redwood Rd.
 Salt Lake City, UT 84123 U.S.A.

Testing specifications

The following performance requirements for medical face masks under this standard are outlined in Table 1.

Table 1. EN 14683:2019 Criteria for Type I, II, IR Mask

Test	Testing Standard	Type I	Type II	Type IIR
Bacterial Filtration Efficiency (BFE, %)	EN 14683:2019, Annex B	≥ 95	≥ 98	≥ 98
Differential Pressure (Pa/cm²)	EN 14683:2019, Annex C	< 40	< 40	< 60
Resistance to penetration by synthetic blood (kPa)	ISO 22609:2004	Not Required	Not Required	≥ 16.0
Microbial Cleanliness (CFU/g)	EN ISO 11737-1:2018	≤30	≤30	≤30

Testing Results and Discussion

All testing was conducted in accordance with the referenced standards. The results of the testing are outlined in Table 2.

The results of the testing show that the sample complies with EN 14683:2019 Type IIR mask.

Table 2. EN 14683:2019 Testing Results

Assay Title	Test Date	Study Number	Result*	Acceptance Criteria for Type IIR Met (Yes/No)
Bacterial Filtration Efficiency (BFE, %)	25 Mar 2020	1280859-S01	1#:99.6 2#:99.5 3#:99.2 4#:99.5	Yes

Assay Title	Test Date	Study Number	Result*	Acceptance Criteria for Type IIR Met (Yes/No)
			5#:99.9	
Differential Pressure (Pa/cm²)	25 Mar 2020	1280859-S01	1#:37.0 2#:33.7 3#:20.0 4#:33.1 5#:35.0	Yes
Resistance to penetration by synthetic blood (pressure 16kPa)	25 Mar 2020	1280860-S01	32 of test articles tested, 31 passed	Yes
Microbial Cleanliness (CFU/g)	25 Mar 2020	1280862-S01	1#:14.1 2#:<3.2 3#:<18.5 4#:<7.5 5#:<4.6	Yes

**See full test report for more details*