KN95 POWECOM PROTECTIVE MASK

PLANET HALO
MY HEALTH

Appendix A:
Authorized Respirators

AUTHORIZED FDA RESPIRATOR

POWECOM

KN95

NOT ALL ARE CREATED EQUAL

Particulate Filtration Efficiency > 95%

Features

- FDA Appendix A: Authorized Respirators

- Produced in an ISO Certified Medical Facility

-Our KN95 respirators are equivalent or higher than the N95 NIOSH rated particulate filtration efficiency.

Specifications

- Filter performance, which is the evaluation of the fillter to measure the reduction in concentrations of specific aerosols in air that passes through the filter.
  > 95% Efficiency.
- Test Agent NaCi.
- Flow Rate 85 L/min.
- Total inward leakage (TIL) <1%.
- Inhalation resistance – maximum pressure drop <150 Pa

Authorized respirators (FDA Appendix A: Authorized Respirators) should be used in accordance with CDC's recommendations. For the most current CDC recommendations on optimizing respirator use, please visit the CDC webpage. Planet Halo inc has collaborated with Powecom to distribute their KN95 mask of which is one of CDC's few authorized imported, non-Niosh approved respirators.

MEET & SURPASSES
N95/FFP2
PARTICULATE FILTRATION EFFICIENCY

TESTING DONE BY:
NIOSH LABORATORY RESEARCH CENTER

Filter	Flow Rate (Lpm)	Initial Filter Resistance (mmH_2O)	Initial Percent Leakage (%)	Maximum Percent Leakage (%)	Filter Efficiency
1	85	8.5	0.545	0.688	99.31
2	85	8.5	0.626	0.793	99.21
3	85	9.0	0.509	0.659	99.34
4	85	8.5	0.542	0.721	99.28
5	85	8.6	0.497	0.637	99.36
6	85	8.4	0.495	0.674	99.33
7	85	8.4	0.560	0.745	99.26
8	85	8.3	0.594	0.759	99.24
9	85	8.8	0.472	0.604	99.40
10	85	8.5	0.568	0.745	99.26
Minimum Filter Efficiency: 99.21			Maximum Filter Efficiency: 99.40		

Particulate Filter Efficiency Testing

The maximum and minimum penetration value will be reported for the set of 10 respirators. Each respirator will be tested on a TSI 8130 and/or 8130A Automated Filter Tester, set to the following parameters:

a. The flow rate will be set to 85.0 ± 4.0 Liters/Minute.
b. Aerosol concentration will not exceed 200 mg/m3.
c. The particle size distrib will be 0.075 ± 0.020 micrometer w/ a geometric standard deviation not exceeding 1.86.
d. Each respirator will be tested for 10 minutes.
e. Maximum penetration will be recorded for each individual respirator

*The above-listed product classification has similar performance requirements to NIOSH-approved devices. This assessment was developed as an assessment of the filter efficiency for those respirators represented as certified by an international certification authority, due to the respirator shortage associated with COVID-19. These results will be used to update the CDC guidance for Crisis Capacity Strategies.
This assessment provides useful information about the filter efficiency of respirators that may be used by healthcare workers in national emergency situations

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Please recycle.

CE

FDA AUTHORIZED RESPIRATOR