



FACE MASK

TESTING AND CERTIFICATION SCHEME

Filtering The Potential Harmful Particles
With Quality Assurance



The COVID-19 pandemic has demonstrated the importance of face mask. Their intended use is to help protect wearers against the transmission of infective liquids that spread through the air. SIRIM QAS tests and certifies face mask to ensure that they conform to relevant standards and offer better protection to the user.

Reducing Risk of Exposure – Face Mask Testing and Certification Scheme



Contaminated fluids that spread through the air present a serious threat to public safety, especially during epidemics and pandemics. Apart from application in healthcare and medical settings, the use of face mask is an essential safety measure to limit the transmission of infections between individuals.

The quality of a face mask depends on several factors such as the filtration efficiency, quality of the material, capacity to absorb moisture and its fit on the face of the user. Face mask with poor fluid-resistance could potentially increase the risk of exposure to the wearer. Therefore, testing and certification can help ensure standards of quality are maintained by manufacturers and suppliers of these products.

SIRIM QAS is a one-stop centre for product testing and certification for face mask. We have the expertise and capabilities to perform testing on a wide range of face mask and respirators based on relevant international standards.

Our Services

SIRIM QAS is capable to carry out product certification and testing for face mask based on the following standards:

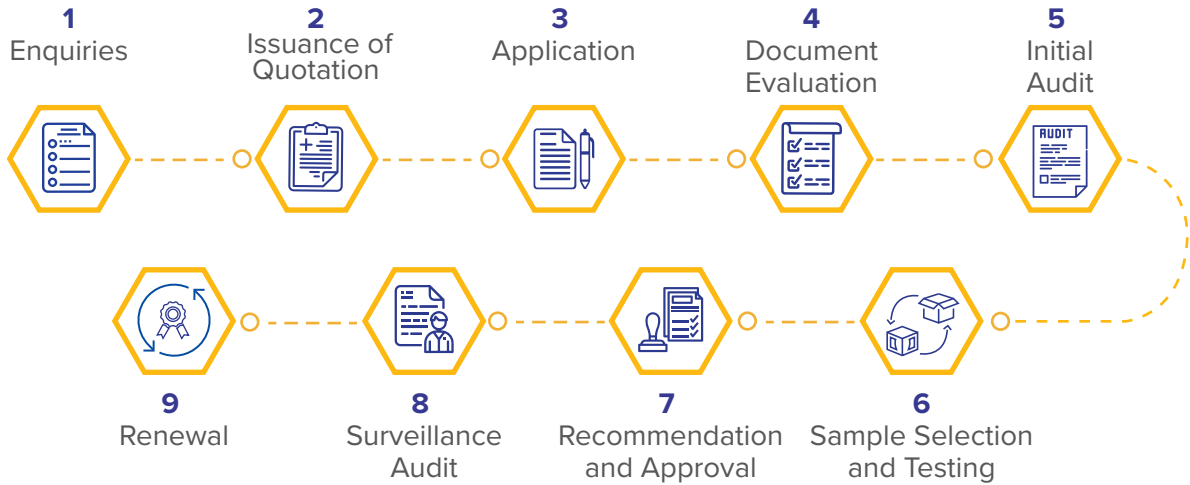
Type	Standard	Tests
<ul style="list-style-type: none"> ● Medical Face Mask <ul style="list-style-type: none"> - Type I - Type II - Type IIR ● Medical Face Mask <ul style="list-style-type: none"> - Level 1 Barrier - Level 2 Barrier - Level 3 Barrier 	<ul style="list-style-type: none"> ● MS EN 14683 ● BS EN 14683 ● ASTM F 2100 	<ul style="list-style-type: none"> ● Bacterial Filtration Efficiency (BFE) ● Particle Filtration Efficiency (PFE) ● Differential Pressure/ Breathability ● Splash Resistance/ Resistance to Penetration by Synthetic Blood ● Microbial Cleanliness (Bioburden) ● Biocompatibility ● Flammability
<ul style="list-style-type: none"> ● Non-medical Face Masks ● Reusable/Disposable (single use) masks made from fabrics and textiles for general use 	<ul style="list-style-type: none"> ● CWA 17553 ● SIRIM 40 	<ul style="list-style-type: none"> ● Visual Inspection ● Dimensions/Sizing ● Materials ● Surface Conditions of The Parts ● Packaging ● Filtration Efficiency ● Head Harness ● Cleaning and Drying ● Differential Pressure/ Breathing ● Resistance/ Breathability ● Flame Spread ● Microbial Cleanliness
<ul style="list-style-type: none"> ● Respiratory Protective Devices <ul style="list-style-type: none"> - Class FFP1 - Class FFP2 - Class FFP3 	<ul style="list-style-type: none"> ● MS 2323 ● BS EN 149 	<ul style="list-style-type: none"> ● Practical Performance ● Leakage Total Inward ● Leakage Penetration of Filter Material ● Compatibility with Skin ● Flammability ● Carbon Dioxide Content of The Inhalation Air ● Head Harness ● Field of Vision ● Exhalation Valves 9 ● Breathing Resistance ● Clogging

Why It Matters

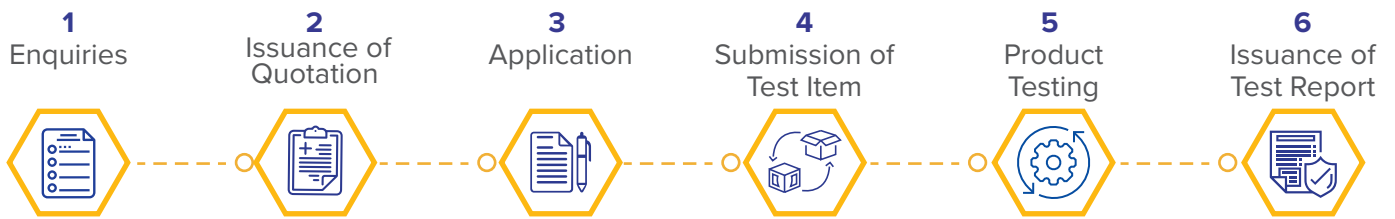
- Provide independent assurance of product quality with the SIRIM certification mark.
- Assist to ensure consistent quality of products under an effective production system.
- Demonstrate product compliance with relevant standards and gain consumer confidence.
- Strengthen brand reputation and enhance the marketability of products.



Product Certification Process



Testing Services Process



SIRIM QAS - Shielding Your Business




SIRIM QAS is an internationally recognised Conformity Assessment Body with years of experience in providing testing, inspection and certification services to both local and international customers.


We have gained accreditation and recognition as an International Test House from the Department of Standards Malaysia (STANDARDS MALAYSIA) under the National Laboratory Accreditation Scheme (SAMM) based on the requirements of MS ISO/IEC 17025. SIRIM QAS is also accredited by STANDARDS MALAYSIA under the Product Certification Scheme MS ISO/IEC 17065.

Our highly experienced and professional auditors are competent in a wide range of sectors and are ready to guide companies through meticulous testing and certification processes in full compliance with standard requirements.

For more information, contact us at:

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