



We are ISO
the International Organization
for Standardization



NMC ISO/TC 217

Cosmetics

National Mirror Committee for ISO/TC 217

Dr. Sh. Kazemifard
November 2024



Practical solutions for real-world problems

Making lives easier, safer and better.



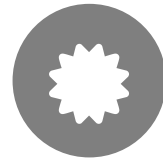
ISO, the International Organization for Standardization, brings global experts together to agree on the best way of doing things – for anything from making a product to managing a process. As one of the oldest non-governmental international organizations, ISO has enabled trade and cooperation between people and companies the world over since **1946**. The International Standards published by ISO serve to make lives easier, safer and better.

We are ISO

the International Organization for Standardization



We are an independent, non-governmental organization



We are coordinated by a Central Secretariat in Geneva, Switzerland.



We are a global network of national standards bodies with one member per country



We are not for profit: selling our standards allows us to finance their development in a neutral environment, to maintain them and to make new ones.



Our job is to make International Standards.



ISO provides a platform for developing practical tools through common understanding and cooperation with all stakeholders.



About ISO

ISO serve to make lives easier, safer and better



25636

International Standards covering almost all aspects of technology, management and manufacturing



172

Members representing ISO in their country. There is only one member per country.

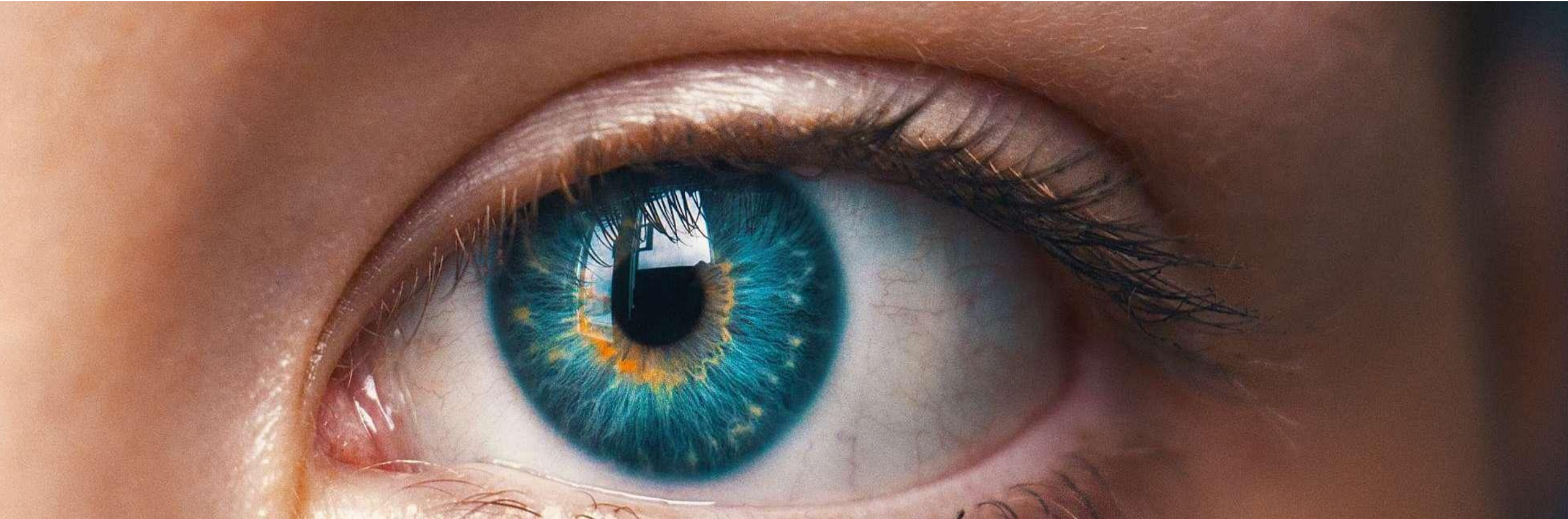


841

Technical committees and subcommittees to take care of standards development.

What we do

We're a global network of the world's leading standardizers.



Through our members (the national standards bodies in 172 different countries) we bring together experts from all over the world to develop International Standards.

How do you benefit from International Standards?

Industry

- ✓ Become more competitive by offering products and services that are accepted globally
- ✓ Enter new markets easily
- ✓ Raise profits by offering products with increased quality, compatibility and safety
- ✓ Reduce costs by not reinventing the wheel and using available resources better
- ✓ Benefit from the knowledge and best practice of leading experts around the world



How do you benefit from International Standards?

Regulators

- ✓ Harmonize regulations across countries to boost global trade
- ✓ Increase credibility and trust throughout the supply chain
- ✓ Make it easier for countries to outsource and specialize



How do you benefit from International Standards?

Society

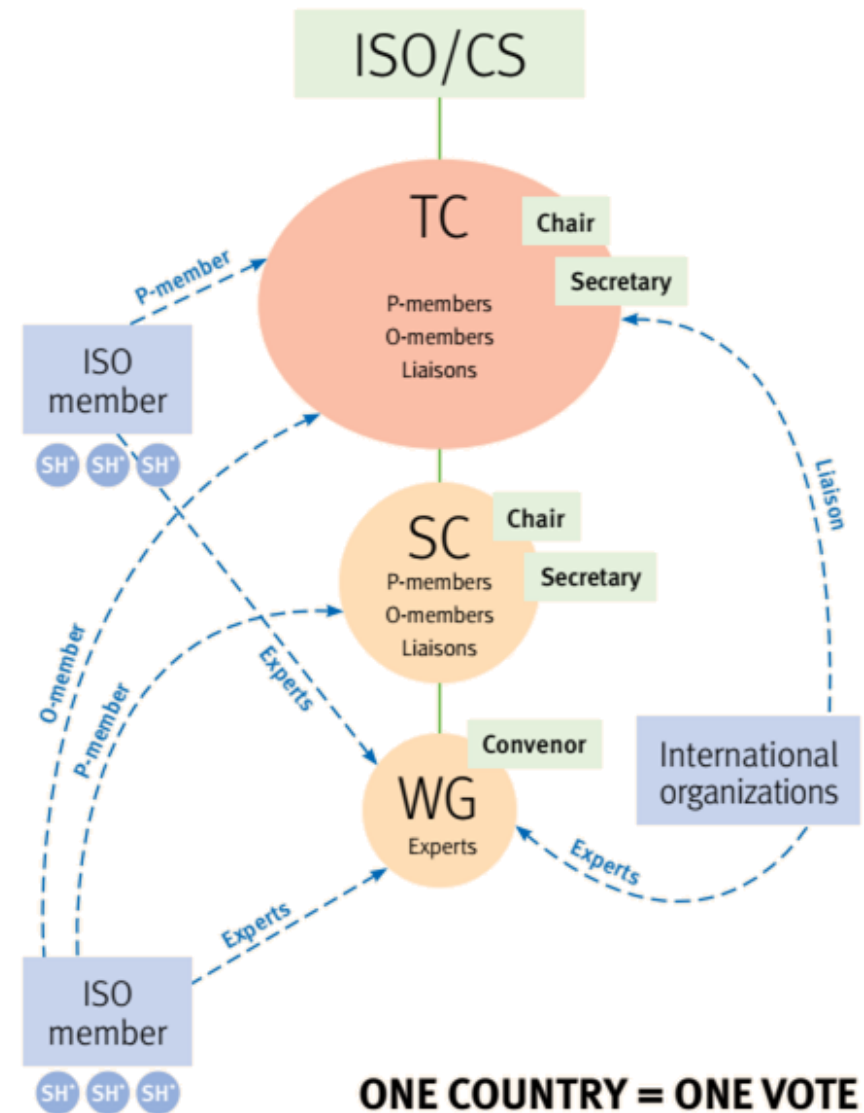
- ✓ Wider choice of safe and reliable products and services at competitive prices
- ✓ Best practice and concerted action at the organizational level to practically address global challenges like climate change and sustainability



How does it all fit together?

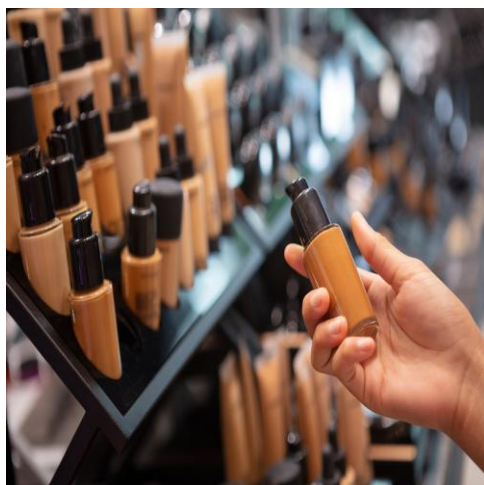
The development of International Standards and other ISO deliverables is carried out by ISO technical committees and their subcommittees, or by project committees.

Technical and project committees are established by the Technical Management Board to develop International Standards or other ISO deliverables within their approved scopes.



ISO/TC 217 Cosmetics

Established: 1998



Overview of ISO/TC 217

Day and night, you can always count on an ISO standard



Standardization in the field of cosmetic products

ISO/TC 217 is a technical committee under the International Organization for Standardization (ISO) that focuses on the cosmetics industry. Its primary objective is to develop international standards for cosmetics and personal care products, ensuring their quality, safety, and efficacy while facilitating global trade.



About ISO/TC 217

Standardization in the field of cosmetic products



Secretariat: INSO

Committee Manager: Mrs Elham Ghasemi

•Chairperson (until end 2025): Mr Uli Osterwalder

49

Published ISO standards

3

ISO standards under development

45

Participating members

29

Observing members



Structure ISO/TC 217

Standardization in the field of cosmetic products



ISO/TC 217 CAG

Chair's Advisory Group
specialized team that supports the chairperson of an ISO technical committee (TC) or subcommittee (SC)

ISO/TC 217/WG 1

Microbiological standards and limits
Standards for testing microbial contamination in cosmetic products.

ISO/TC 217/WG 3

Analytical methods
Specifications to ensure clarity and compliance with regulatory needs. Ensuring products are safe for consumers under normal use conditions.

ISO/TC 217/WG 4

Terminology
Its primary role is to establish a consistent and harmonized vocabulary for the cosmetics industry

ISO/TC 217/WG 7

Sun protection test methods
Focuses on the development of standards for testing and evaluating sun protection performance in cosmetic products, particularly sunscreens.

NMC ISO/TC WG1

NMC ISO/TC WG3

NMC ISO/TC WG4

NMC ISO/TC WG7

Key Standards Developed by ISO/TC 217

Standardization in the field of cosmetic products



ISO 22716
Good Manufacturing Practices
(GMP) for Cosmetics

ISO 24444
Sun Protection Test Methods
This standard outlines methodologies for assessing the Sun Protection Factor (SPF) of sunscreens.



ISO 16128
Natural and organic cosmetic ingredients
Guidelines on technical definitions and criteria

ISO 24442/24443
Evaluation of sunscreen water resistance and UVA protection.



The Role of International Standards in the Cosmetic Industry

Standardization in the field of cosmetic products



Enhancing Product Safety

- Consumer Protection: Standards help to minimize risks associated with harmful chemicals, allergens, and contaminants in cosmetics.
- Toxicological Testing: They provide guidelines for testing potential toxic effects of ingredients on skin and overall health.
- Microbiological Safety: Standards ensure products are free from harmful microorganisms.



Regulatory Harmonization

- Global Trade Facilitation: By aligning with international standards, companies can export their products more easily across borders.
- Reduction of Barriers: Standards reduce discrepancies in regulations between countries, fostering smoother trade relationships.
- Compliance Frameworks: Many countries adopt international standards like ISO, making it easier for companies to meet multiple regulatory requirements simultaneously.



Quality Assurance

- Consistency: Standards ensure consistent quality across product batches, boosting consumer trust.
- Good Manufacturing Practices (GMP): They outline requirements for hygiene, raw material handling, and production processes to maintain quality.
- Standardized Testing: Establish common testing methods to evaluate product performance (e.g., skin compatibility, efficacy)



Innovation and Sustainability

- R&D Guidance: Standards provide a framework for developing innovative products while maintaining safety and compliance.
- Eco-Friendly Practices: Standards like ISO 16128 offer guidelines for defining and measuring natural and organic cosmetic ingredients.
- Sustainability Goals: They encourage environmentally responsible sourcing, production, and packaging practices.

The Role of International Standards in the Cosmetic Industry

Standardization in the field of cosmetic products



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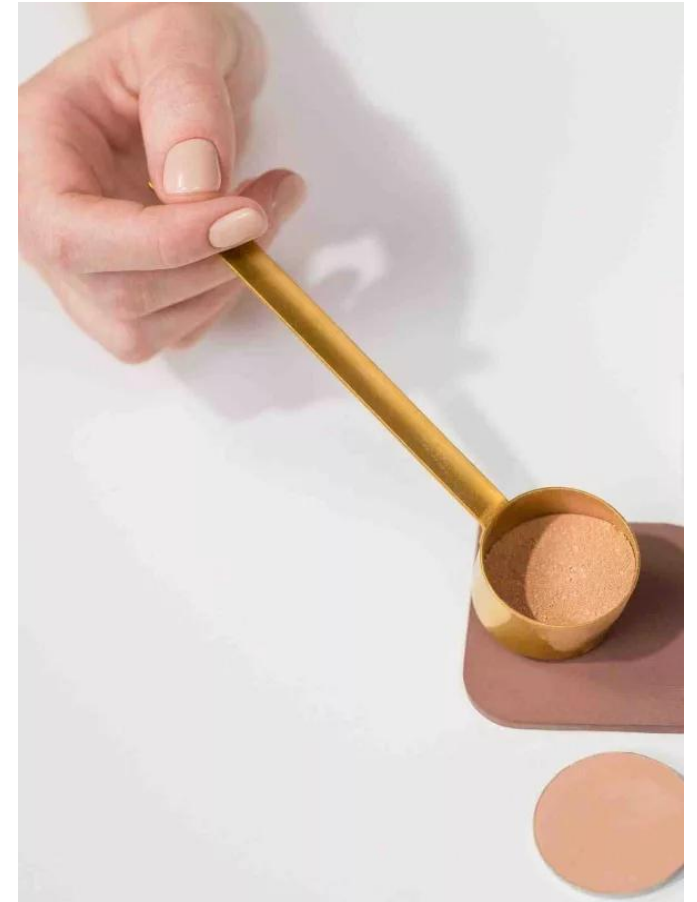
Building Consumer Trust

- Transparency: Adherence to international standards signals a commitment to safety and quality.
- Certification Labels: Products certified under recognized standards (e.g., ISO, GMP) gain a competitive edge.
- Reduced Misinformation: Clear ingredient labeling and claims ensure informed consumer choices.

6

Industry Collaboration

- Benchmarking: Standards provide a benchmark for companies to evaluate their practices against industry best practices.
- Cross-Sector Collaboration: They facilitate collaboration among scientists, regulators, and manufacturers for continuous improvement.
- Training and Awareness: Standards serve as educational tools for industry professionals, enhancing overall competence.



The Role of NMC ISO/TC 217

Standardization in the field of cosmetic products



1

Development and Localization of Standards

- **Localization of Standards:** The committee adapts international ISO standards to local climatic, cultural, and legal conditions.
- **Development of National Standards:** Creates new national standards if necessary, in collaboration with local experts and industry stakeholders.
- **Global Market Alignment:** By harmonizing national standards with ISO, the committee facilitates the export of cosmetic products to international markets.

2

Ensuring Safety and Quality

- **Consumer Safety:** The committee supervises the implementation of safety standards to reduce risks associated with harmful chemicals, allergens, and microbial contamination in cosmetics.
- **Quality Control:** Defines requirements for manufacturers to ensure consistent quality across all cosmetic products.
- **Raw Material Assessment:** Provides guidelines for evaluating the safety and efficacy of raw materials used in cosmetics



Inclusive

ISO's consensus-based standards development process ensures that comments from all stakeholders are taken into account

The Role of NMC ISO/TC 217

Standardization in the field of cosmetic products



3

Facilitating Import and Export

- Eliminating Trade Barriers:** Standardizing processes and products based on international standards reduces technical barriers to trade.
- Global Market Expansion:** Aligning products with ISO standards helps domestic manufacturers compete in global markets.
- Identifying Equivalent Standards:** Assists companies in understanding similarities and differences between national and international standards.

4

Supporting Innovation and Sustainability

- Encouraging Innovation:** Provides frameworks for developing new products while adhering to safety and quality principles.
- Environmental Sustainability:** Guides manufacturers in adopting environmental standards like ISO 16128 for producing natural and organic cosmetics.
- Resource Optimization:** Offers guidance on efficient use of raw materials and waste reduction.



Value-driven

ISO standards serve one purpose:
Making lives easier, safer and better.

The Role of NMC ISO/TC 217

Standardization in the field of cosmetic products



5

Enhancing Consumer Trust

- Ensuring Safety:** Implementing credible standards builds consumer confidence in the safety and quality of products.
- Transparent Labeling:** Promotes standards that ensure clear and accurate labeling of ingredients and product features.
- Addressing False Claims:** Provides frameworks for assessing and verifying marketing claims related to cosmetic products.

6

International Collaboration

- Country Representation:** The National Mirror Committee represents the country in international ISO forums and contributes to the development of global standards.
- Knowledge Transfer:** Updates domestic manufacturers with the latest requirements and technologies through engagement with other national committees and ISO.
- Strengthening Networks:** Fosters connections among domestic manufacturers, researchers, and policymakers, as well as international counterparts.



Global

ISO members from all regions of the world nominate experts and vote on draft standards. The Central Secretariat coordinates and facilitates broad participation. .

Key Groups of Stakeholders in the NMC

Standardization in the field of cosmetic products



Government and Regulatory Bodies

Provide legal frameworks and ensure standards align with national regulations.

IFDA, INSO



Industry Representatives

Share practical insights, production challenges, and market trends



Academic and Research Institutions

Offer technical, scientific, and innovative expertise.



Consumer Organizations

Represent consumer safety, rights, and preferences.

Key Groups of Stakeholders in the NMC

Standardization in the field of cosmetic products



Non-Governmental Organizations (NGOs)

Advocate for environmental, ethical, and social considerations.



Testing, Inspection, and Certification Bodies

Ensure standards are practical for quality assurance and compliance evaluation.



Industry Associations

Act as collective voices for specific sectors, promoting industry-wide interests.



Trade and Export Organizations

Focus on aligning standards with international trade requirements to facilitate exports.

23rd ISO/TC 217 Global Meeting

12 to 15 November 2024



**Iran Shines on the
Global Stage: Leading
Role in ISO/TC 217
Summit on Cosmetics
Standards**



Thank you
iso.org

