



# OIML

## OIML Recommendation 87 – “Net Content in Packages”



### OIML R 87 “Net Contents in Packages”

- Adopted by OIML in 1989. Basis for the regulations of many countries but it is often modified to meet local needs.
- Requirements for “standard” packages labeled by mass and volume.
- U.S. is Secretariat of OIML Technical Committee 6
- No requirements for variable quantities, length, area, and count.

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### *Provides a means to enforce prepackage requirements that:*

- Require prepackages to bear accurate statements of net quantity of contents.
- Allow for reasonable variations.

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### *Sampling Plans*

Lot Size	Sample Size
150 to 4000 (2)	32
More than 4 000 (5)	80

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### *Statistical and Other Requirements*

- Average Requirement
  - 99.5 percent confidence level
- Individual Package Requirement
  - Tolerable Deficiency
- All packages opened for test.  
net mass = gross mass - actual tare mass

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### *Other Provisions in OIML 87*

- Procedures are used at any level of trade (e.g., point-of-pack, distribution, wholesale, or point-of-sale).
- Point-of-pack is the primary location of testing in many countries.

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### *Revision of R 87 began in 1999*

- A Working Draft Revision was distributed in 1999.
- An International Working Group (IWG) Meeting was held in Paris in February 2000.
- A 2<sup>nd</sup> Committee Draft Revision was distributed to IWG in the Fall of 2000.
- We received 500 + comments on the draft.

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### *Proposals Accepted by IWG*

- Add average tare procedures to reduce destructive testing.
- Add test procedures and *Tolerable Deficiencies* for prepackages by length, width, area, and count.
- Add procedures for drained mass.

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### *Proposals Rejected by IWG*

- Expand scope to cover “variable” net contents.
- Provide recommended moisture allowances.
- Include sample sizes for lots with less than 150 prepackages.

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### *Proposals Rejected by IWG*

- Provide non-mandatory information on reference temperatures for making density determinations:
  - For example in the U.S. the following temperatures are used:
    - 15 ° C (60 ° F) for petroleum products and distilled spirits
    - 4.4 ° C (40 ° F) for milk
    - 3.9 ° C (39.1 ° F) for beer
    - -18 ° C (0 ° F) for frozen foods labeled by volume.
    - 20 ° C (68 ° F) for wine and other liquids

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### *Rejected the Establishment of an International Quantity (IQ) Mark in R 87*

- Develop requirements for packers
  - An authorized testing laboratory
  - A documented quality system
  - Audited by an approved body
  - If acceptable they could use an internationally acceptable mark indicate compliance with OIML R 87.

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### *Project to Establish an International Quantity (IQ) Mark*

- This project will continue but it will be separated from the OIML R 87 revision project and will be a separate project under TC 6 after R 87 is revised.
- Project will be carried out by a small working group coordinated with the OIML Presidential Council.

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### *Work Plan for R 87 Revision*

- A 3<sup>rd</sup> CD of OIML R 87 will be prepared and distributed to the IWG by December 2001.
- The next draft will include an informative annex describing the statistical basis of R 87 that was prepared by Alain Duran of France.

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### *Questions?*

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