

STANDARD OF MONGOLIA

Classification code: 65.160

	MNS 6274 : 2013
Pipe tobacco. General requirements	Replacing MNS 6274 : 2011

Approved by the Resolution No. 17 of National Council of Standardization and Metrology, dated on 25 April 2013.

The normative requirements of this standard are binding.

This standard becomes effective beginning from 01 May 2014.

1. OBJECTIVE

The objective of this standard is to specify the requirements to be placed upon production, import and sales of pipe tobacco.

2. SCOPE AND APPLICABILITY

2.1 This standard applies to production, packaging, labeling, quality control, storage, transportation and sales of pipe tobacco.

2.2 Manufacturers, importers, distributors and consumers of pipe tobacco and control and certification processes of pipe tobacco shall comply with this standard.

3. NORMATIVE REFERENCES

The following documents are normatively referenced in this document. In case of any changes to these documents, the latest edition of the referenced document applies.

- MNS ISO 10185 Tobacco and Tobacco products – Vocabulary
- GOST 858 Tobacco smoking. General specifications.
- GOST 7823 Pipe tobacco. General specifications.
- MNS CAC/RCP 1 General Principles of Food Hygiene
- MNS 4244 Labor Safety Standards. General fire safety requirements
- MNS 4968 Safe operation. Health. General requirements
- MNS 5364 Food product storage. General technical requirements

- MNS ISO 4874 Tobacco – Sampling of batches of raw material. General principles
- MNS 5128: 2002 Tobacco and Tobacco products. Determination of the amount of nicotine and tar. Weighing method.
- Common procedure approved by Resolution No. 131 of 1995 of the Government of Mongolia on seizing property

4. TERMS AND DEFINITIONS

For the purpose of this document, terms and definitions specified in MNS ISO 10185, Tobacco and Tobacco products – Vocabulary shall apply.

4.1 Pipe tobacco

A product that is prepared from technologically processed tobacco leaves, flavored or not flavored and comes loosely packed for smoking in a foldable bag or pipe.

5. TECHNICAL REQUIREMENTS

5.1 Pipe tobacco shall be produced in a factory that complies with requirements specified in MNS 4968: 2000, Safe operation. Health. General requirements, with respect to approved technologies, formulas and ingredients.

5.2 Any raw or supplementary materials used in production of pipe tobacco shall comply with requirements specified in MNS CAC/RCP 1 General Principles of Food Hygiene.

5.3 For importing of pipe tobacco, all necessary documents from relevant authorities with quality and safety information shall be provided.

5.4 Biological specifications of pipe tobacco

- Smell that's appropriate for its brand without scent of mold or rot.
- No mold or rot and not frozen.
- No insect, tick or pest.

5.5 Physical specifications of pipe tobacco shall comply with Table 1.

Physical Specifications of Pipe Tobacco

Table 1

No.	Specification	Amount
1	Humidity percentage	11 ± 2
2	Percentage of dust in tobacco, no more than %	3,0
3	Weight deviation specified on pack, no more than %	5,0
4	Cumulative gamma activation	250,0

5.6 The permissible amount of chemicals found in pipe tobacco shall comply with the limits specified in Table 2.

Chemical Specifications of Pipe Tobacco

Table 2

No.	Specification	Unit of measurement	Maximum permissible amount
1	Nicotine, no more than	mg/g	1,5
2	Pesticide, mg/kg	mg/kg	Must not be present
3	Narcotics	-	
4	Aflatoxin	-	

6. QUALITY CONTROL AND ACCEPTANCE

6.1 The appearance of pipe tobacco (paper and pack) shall be checked for compliance with Appendix A.

6.2 Pipe tobacco shall be checked for acceptance in parts.

The term "Part" shall refer to certain amount of tobacco which shares one or more common characteristics and prepared in normal condition.

6.3 3 packs from each box shall be randomly selected for sampling.

6.4 Quality of pipe tobacco shall be checked for compliance with the following standards:

6.4.1 MNS 5127: 2002, Tobacco and Tobacco products. Determination of humidity. Weighing method.

6.4.2 MNS 5128 : 2002, Tobacco and Tobacco products. Determination of the amount of nicotine and tar. Weighing method.

6.4.3 MNS ISO 4389 Tobacco and tobacco products -- Determination of organochlorine pesticide residues -- Gas chromatographic method

6.4.4 MNS 5129 Tobacco and Tobacco products. Determination of organochlorine pesticide residues – Thin layer chromatographic method

6.4.5 MNS 5130: 2002, Tobacco and Tobacco products. Determination of organophosphorous pesticide residues – Thin layer chromatographic method

6.4.6 MNS ISO 13276 Tobacco and tobacco products -- Determination of nicotine purity -- Gravimetric method using tungstosilicic acid

6.4.7 MNS 5069 Gamma specter method for determination of radioactive elements in wheat, vegetable and fruit products.

7. CHECKING METHODS

7.1 Sampling

3 packs from each box shall be randomly selected for sampling.

7.2 Determining humidity

MNS 5127: 2002, Tobacco and Tobacco products. Determination of humidity. Weighing method shall apply.

7.3 Determining dust amount

7.3.1 Equipment

- Laboratory weighing scale with accuracy of 0.01 grams
- Exicator
- Device for determining contamination of tobacco leaf
- IEL 200 mini sifting device (180±5).

The sifting device shall have a net with (200±5) mm holes and includes:

- Upper net shall have the dimensions of 1 - 29 - 1 x 0,8 to 1- 30- 1 x 0,8.
- Lower net shall be made with half net of 028 or 0315.
- Dust collecting shelf.

7.3.2 Preparing for test

Samples selected according to paragraph 7.3 shall be carefully mixed and placed in exicator or camera for obtaining (15±0,5) % humidity. Afterwards, (50±1) grams of sampling shall be taken.

7.3.3 Testing

Sample shall be sifted on the upper net of rotating sift for (60±5) minutes. For IEL 200 sifter, the duration shall be (80±6) minutes. For any other type of sifting device, manufacturers' manual or technical documents shall be followed. Tobacco shreds on upper net and small pieces on lower net or tobacco dust shall be collected and weighed on the scale with accuracy of 0.01 grams.

7.3.4 Results

The following formula shall be used for calculating percentage.

$$X = \frac{m_6}{m_7} \times 100,$$

m_6 –total weight of tobacco in grams;

m_7 - weight of sample in grams;

Arithmetic value of 2 simultaneous test results shall be no more than 5% of tobacco shreds and tobacco dust shall be no more than 0.5%. Results of one tenth accuracy shall be used.

7.4 Determining the width of pipe tobacco

7.4.1 Equipment

Microscope and other device with up to 10^x lens or accuracy of $\pm 0,1$ mm.

7.4.2 Testing

10 shreds shall be selected. No stripes or leaf pieces. Shreds' shall be straightened and their width shall be measured.

7.4.3 Results

Arithmetic average of 10 measurement shall be used with accuracy of hundredth. The accuracy shall be increased to next tenth.

8 PACKAGING AND LABELLING

8.1 Net weight of the pipe tobacco pack shall not exceed 200 -500 grams.

8.2 Pipe tobacco shall be placed in packs with no negative effect on tobacco quality and in compliance with relevant standards.

8.3 Information of pipe tobacco packs shall be written in Mongolian language including:

- Name and type of product;
- Manufacturing country;
- Date of manufacture;
- Expiration date;
- Name of manufacturer /importer/;
- Standard number;
- Net weight;
- Part number;
- A note saying the product is allowed for sale in Mongolia

8.4 Pipe tobacco packs shall be put into carton or panel boxes. Other type of boxes that meet with the standards can be used.

8.5 Boxes shall be kept shut tightly during transportation and storage.

8.6 It is prohibited to use language that implies certain tobacco are less damaging to health than others, or its equivalents including through the use of symbols, images, colours or combinations thereof on any cigarette pack or carton.

8.7 Information on the pipe tobacco pack shall not be placed on any parts other than the part with health warning message.

9 HEALTH WARNING MESSAGE

9.1 Health warning message shall consist of graphic image depicting health hazards caused by direct and indirect smoking, main and explanatory texts.

9.2 Health warning message shall be printed within the margins of pack label.

9.3 Six types of health warning messages selected for a brand of pipe tobacco that is manufactured or imported and shall be used in equal proportions for the brand.

9.4 Health warning message shall be placed on the lower part of the tobacco pack surface and shall take up at least 50 percent of the surface.

9.5 Health warning message shall be printed in 4 colours that are visible and are equal to the original copy and shall have a 1 mm wide black frame.

9.6 No other images or texts shall appear on health warning message.

9.7 Explanatory text of health warning message shall take up at least 5 cm in length and 2 cm or 10 cm² space in width.

9.8 Health warning message shall be written in the following manner:

- Graphic image No. 1:

In the text “**Smoking harms “beauty”**”, the words “**Smoking...**” and “**...harms**” shall be printed in “**bold**” in lowercase, 12-point “**Arial**” font and the word “**beauty**” shall be printed in “**bold**” in lowercase, 16-point “**Arial**” font in red with white background along the upper edge of graphic image.

- Graphic image No. 2:

In the text “**Smoking causes “cancer”**”, the words “**Smoking...**” and “**...causes**” shall be printed in “**bold**” in lowercase, 14-point “**Arial**” font and the word “**cancer**” shall be printed in “**bold**” in lowercase, 20-point “**Arial**” font in yellow along the upper edge of graphic image.

- Graphic image No. 3:

In the text “**Smoking causes “impotence”**”, the words “**Smoking...**” and “**...causes**” shall be printed in “**bold**” in lowercase, 12-point “**Arial**” font and the word “**impotence**” shall be printed in “**bold**” in lowercase, 18-point “**Arial**” font in yellow along the upper edge of graphic image.

- Graphic image No. 4:

In the text “**Smoking causes “gangrene”**”, the words “**Smoking...**” and “**...causes**” shall be printed in “**bold**” in lowercase, 14-point “**Arial**” font and the word “**gangrene**” shall be printed in “**bold**” in lowercase, 20-point “**Arial**” font in yellow along the upper edge of graphic image.

- Graphic image No. 5:

In the text “**Smoking kills**”, the words “**Smoking...**” shall be printed in “**bold**” in lowercase, 14-point “**Arial**” font and the word “**kills**” shall be printed in “**bold**” in lowercase, 18-point “**Arial**” font in yellow along the upper edge of graphic image.

- Graphic image No. 6:

In the text “**Smoking causes impaired fetal growth**”, the words

“**Smoking...**”, and “**causes**” shall be printed in “**bold**” in lowercase, 12-point “**Arial**” font and the word “**impaired fetal growth**” shall be printed in “**bold**” in lowercase, 18-point “**Arial**” font in yellow along the upper edge of graphic image.

9.9 Health warning message shall be printed on a paper and attached on the side surface of box containing packs of pipe tobacco.

9.10 Health warning message shall be printed on the pack in a manner specified in Appendix C and on the box in a manner specified in Appendix D.

10 TRANSPORTATION, STORAGE AND DESTROYING

10.1 Pipe tobacco shall be transported in a vehicle that is dry and clean and in compliance with all applicable regulations.

10.2 Pipe tobacco shall be stored in a warehouse in compliance with “**Specialized warehouse** – Warehouse designed for storing certain groups of goods that require special storage conditions (temperature/humidity controlled, etc.) and regime” as specified in Paragraph 4.6 of “MNS 5364: 2004. Food product storage. General technical requirements”.

10.3 The storage facility shall be dry, clean and well ventilated and maintains relative humidity of $65\pm 5\%$.

10.4 Pipe tobacco may be stored for 12 months from date of manufacture.

10.5 Pipe tobacco that doesn't meet the standards shall be destroyed according to procedures set forth by appropriate authorities.

THE END

**APPENDIX A
(informative)**

**EVALUATION OF APPEARANCE OF PIPE
TOBACCO**

Pipe tobacco appearance shall be evaluated using the following criteria.

1. The damage and defects on the surface of pipe tobacco shall be evaluated using 3 levels i.e. major, moderate and minor.

1.1 Major damage and defects

Appearance: pack paper is wet or stained from oil, cover is not intact; one of the side opening seal is broken; weight lost or external object detected in tobacco ingredient (other than packing paper piece).

1.2 Moderate damage and defects

Appearance: one of the side opening seal is broken; text on label is moved or unreadable, pack paper is broken or has a hole, brand name is missing; oil stain no bigger than 3 mm; packing paper piece found in the pack.

1.3 Minor defects

Appearance: slightly stained with dye or glue, brand name illegible, packing paper is wrinkled or packing slightly disfigured.

2 One sample from each 3 levels evaluated shall be classified into 3 groups, again according to their defects. If several types of damage or defect are detected in a pack or cigarette, that pack or cigarette shall be considered to be the pack or cigarette with the most defects. If a pack presents several defects of a single type, that pack shall be considered to have a single kind of damage.

3 Major damage and defects have 10 points, moderate damage and defects have 3 points and minor damage has 0.5 point; total damage and defect points determined by this method shall not exceed 120. The number of packs with damage and defects shall be calculated for each type. The overall grade of appearance for packs shall be calculated using the following formula.

$$O = 10A + 3B + 0,3C$$

Notes :

- A – Number of packs with major damage and defects;
- B - Number of packs with moderate damage and defects;
- C - Number packs with minor defects.

**APPENDIX B
(Normative)**

DESIGN OF HEALTH WARNING MESSAGES

Graphic image No. 1

Smoking harms **“beauty”**



Graphic image No. 2

Smoking causes **“cancer”**



Graphic image No. 3

Smoking causes “**impotence**”



Graphic Image No. 4

Smoking causes “**gangrene**”



Graphic image No. 5

“Smoking kills”



Graphic image No. 6

“Smoking causes impaired fetal growth”



**APPENDIX C
(Normative)**

PLACING HEALTH WARNING MESSAGE ON PIPE TOBACCO PACK



APPENDIX D
(Normative)

PLACING HEALTH WARNING
MESSAGE ON PIPE TOBACCO BOX



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