

	PRODUCT TECHNICAL SPECIFICATION	No.	WT-2004/LP-11
	<i>Wax DROMA</i>	Edition no.	16
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1. INTRODUCTION

- 1.1. Subject.** The subject of this document is wax DROMA obtained as a mixture of refined light and heavy slack waxes.
- 1.2. Range of the WT subject usage.** Wax DROMA is used in poultry industry for removing feathers. The product is designed for contact with foodstuffs.

2. LABELLING

2.1. Labelling examples

Wosk DROMA

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3. QUALITY REQUIREMENTS AND TEST METHODS

3.1. Standard parameters and test methods – according to the table 1.

Table 1. Quality requirements valid for each batch of the product.

Parameters	Units	Wax DROMA parameter value	Test method
a) Congealing point	°C	59-69	PN-ISO 2207:2011 ASTM D 938-12
b) Oil content	%	max. 5,2	PN-C-04160:1980 ASTM D 721-15
c) Acidity number	mg KOH/g	max. 0,03	PN-ISO 6618:2011
d) pH of water extract	-	neutral	PN-C-04064:1984
e) Ash remainder	%	max. 0,035	PN-EN ISO 6245:2008
f) Needle penetration in 25°C	1/10mm	max. 45	PN-C-04313:2018-02 ASTM D 1321
g) Appearance	-	white to light brown homogenous mass	Visual
h) Kinematic viscosity at 100°C	mm ² /s	8-11	PN-EN ISO 3104:2004
i) Odour	-	according to requirements	Point 3.3. of technical specification
j) Elasticity	-	according to requirements	Point 3.4. of technical specification
k) Stickiness	-	according to requirements	Point 3.5. of technical specification

3.2. Sample taking – according to PN-EN ISO 3170:2006.

3.3. Odour research – A small sample of wax (about 10 g) melt at temperature 70°C in small evaporator still mixing. Wax DROMA fulfil the requirements if there is not intensive odour and vapour secreting.

3.4. Elasticity research – From the block of wax DROMA cut out three bands of the following dimensions:

- Length - 100±1 mm,
- Width – 10±0,5 mm,
- Thickness – 1-2 mm.

The bands bend at angle of 90° at temperature 20±0,5°C. Each band should be bend 5 times on each side. Wax DROMA fulfil the requirements if on the

surface of each checking band will not occur breaks or other traces in places of bending.

3.5. Stickiness research – Two bands of fibre of dimensions 100x70 mm cover from one side with melted at temperature 80°C wax DROMA. The ends of bands (about 20 mm) should be left uncovered. Immediately after covering put together the bands with the surfaces with wax paying attention on the free ends not to stick. Stuck together bands left for at least two hours under charge of 2 kg at temperature 20±2°C. After that tear the band catching with hands uncovered ends.

There should be done three trials of tearing to estimate the stickiness.

Wax DROMA fulfil the requirements if for each test splitting completely pass across the fibre or at least on length 40 mm.

4. PACKAGING, STORAGE AND TRANSPORTATION

4.1 Packaging. Wax DROMA is stored in a following way:

- Cardboards 20 kg.

The method of packaging and storage is in accordance with the regulations of transportation of petroleum products described in national and international transportation law.

It is admitted to use other kind of packages previously agreed between recipient, producer and carrier, in condition that product is protected well.

On each package should be placed a label with at least following information:

- a) producer name,
- b) address of producer
- c) labelling according to the point 2.,
- d) mass net or volume,
- e) date of production,
- f) control number.

4.2 Storage. Wax DROMA should be stored in temperature below 30°C, in closed packages in a shaded place protecting against direct access of sun (UV radiation), humidity and mechanical impurities far from the heat radiators. Shelf Life of the product stored in accordance with the above guidelines is 3 years. The cardboards shouldn't be pile up above four layers.

4.3 Transportation. The product is not classified as dangerous when shipped by all means of transport and is not a subject of the transportation regulations RID/ADR.

5. ADDITIONAL INFORMATION

5.1. Institution preparing WT: Polwax S.A., Jasło, Poland.

5.2. Standards and referenced documents

PN-EN ISO 3170:2006 Petroleum liquids. Manual sampling.

Other standards related: table 1.

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