

	<b>PRODUCT TECHNICAL SPECIFICATION</b>				<b>No.</b>	<b>WT-2015/LP-78</b>
	Raw paraffin - standard				<b>Edition no.</b>	<b>4</b>
					<b>Date</b> (last actualization)	<b>September 11th, 2025</b>

## 1. INTRODUCTION

**1.1. Subject.** The subjects of this document are Raw paraffin - standard (with the oil content in range 0,5% - 1,1%) obtained as a product of the crude oil processing. The product is a mixture of mainly n-paraffin hydrocarbons.

**1.2. Range of the WT subject usage.** Raw paraffins - standard are used in candle haberdashery, as well as other industry branches.

## 2. LABELLING

**2.1. Classification.** Depending on the congealing point there are five types of raw paraffin – standard: Raw paraffin 50/40; Raw paraffin 53/35; Raw paraffin 56/25; Raw paraffin 60/25 and Raw paraffin 64/30.

### 2.2. Labelling examples

Parafina surowa - standard 64/30 WT-2015/LP-78

#### Labelling abbreviation:

Parafina surowa 64/30 WT-2015/LP-78

## 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	Raw paraffin - standard parameter value					Test method
		50/40	53/35	56/25	60/25	64/30	
a) Congealing point	°C	48.0-52.0	52.0-54.0	54.0-58.0	58.0-62.0	62.0-66.0	PN ISO 2207:2011
b) Flash point,(o.c.)	°C	min. 180				min. 220	PN-EN ISO 2592:2017-10 ASTM D 92-97
c) Mechanical impurities and water content	-	not present					PN-C-96115:1974
d) Oil content	%(m/m)	max. 1,1					PN-C-04160:1980 ASTM D 721-97
e) pH of water extract	-	Neutral					PN-C-04064:1984
f) Needle penetration in 25°C	mm·10 <sup>-1</sup>	max. 40	max. 35	max. 25	max. 30		PN-C-04313:2018 ASTM D 1321
g) Colour Lovibond	-	Evaluated, indicated in certificate					ASTM D 1500

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

## 4. PACKAGING, STORAGE AND TRANSPORTATION

### 4.1 Packaging. Raw paraffin products are stored in a following way:

- loose paraffin in the heated storage tanks,
- pastilles in a polyethylene bags 20 kg on a wooden pallet 600 kg,
- slabs on a wooden pallet 1000 kg,
- slabs in cardboard.

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 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. The raw paraffin should be stored in temperature below 25°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 5 years.

### 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.

**Checked:**

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