

	PRODUCT TECHNICAL SPECIFICATION	No.	WT-2004/LP-22
	Ceresin high melting point, Ceresin II high melting point	Edition no.	15
		Date <small>(last actualization)</small>	June 25th, 2021

1. INTRODUCTION

1.1 Subject. The subject of this document are Ceresin and Ceresin II obtained in solvent deoiling of the heavy slack wax, purified then in contact adsorption process.

1.2. Range of the WT subject usage. The products are mainly used for production of lubricants, impregnating and protecting agents in chemical industry, in candle making branch and others.

2. LABELLING

2.1. Labelling examples:

Ceresin - high melting point	WT-2004/LP-22
Ceresin II - high melting point	WT-2004/LP-22

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 product.

Parameters	Unit	Parameter value		Test method
		Ceresin	Ceresin II	
a) Congealing point	°C	min. 68	min. 68	PN-ISO 2207:2011 ASTM D 938
b) Drop melting point	°C	max. 80	max. 85	PN-ISO 6244:2012
c) Oil content	%	max. 1,5	max. 6,0	PN-C-04160:1980 ASTM D 721-97
d) Kinematic viscosity at 100°C	mm ² /s	evaluate, indicate in certificate	evaluate, indicate in certificate	PN-EN ISO 3104:2004
e) Colour	-	evaluate, indicate in certificate	evaluate, indicate in certificate	ASTM D 1500
f) Needle penetration at 25°C	mm·10 ⁻¹	max. 25	max. 65	PN-C-04313:2018 ASTM D 1321
g) Ash remainder	%	max. 0,05	max. 0,05	PN-EN ISO 6245:2008
h) pH of water extract	-	neutral	neutral	PN-C-04064:1984

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

4. PACKAGING, STORAGE AND TRANSPORTATION

4.1 Packaging. Ceresin and Ceresin II are stored in the following way:

Ceresin

- liquid loose in heated storage tanks,
- pastilles in a polyethylene bags 20 kg on a wooden pallet 600 kg,
- slabs on wooden pallet 1000 kg or in cardboard 24 kg,
- cardboards 20 kg.

Ceresin II

- liquid loose in heated storage tanks,
- slabs on wooden pallet 1000 kg or in cardboard 24 kg,
- 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) name of producer,
- b) address of producer,
- c) labelling according to point 2,
- d) mass-net or volume,
- e) date of production,
- f) control number.

4.2 Storage. Ceresin and Ceresin II should be stored in closed packages in a shaded places protecting against direct access of sun, humidity and mechanical impurities, far from heat radiators, at temperatures not exceeding 40°C. 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:

SZEF BIURA TECHNOLOGII



.....**Wojciech Szczypka**.....
Head of the Technology Office

Approved:

DYREKTOR OPERACYJNY



.....**Piotr Adamski**.....
Operational Director