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# Octopirox®

1-Hydroxy-4-methyl-6-(2,4,4-trimethyl)-pentyl-2(1H)-pyridone,  
2-aminoethanol salt

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## Product Specification

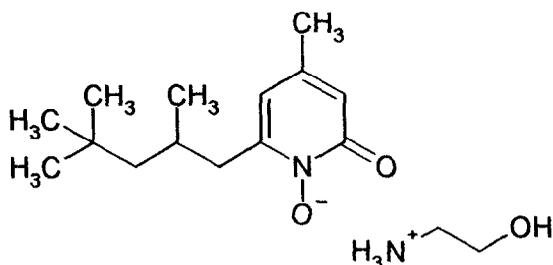
<u>Item</u>	<u>Control Test No.</u>	<u>Specification</u>
Appearance	PKØD011KR00000	White to slightly yellowish-white, crystalline powder; slight characteristic odour
Identification - IR Spectrum	PKØD021KR00000	The maxima in the spectrum of the substance correspond with respect to position and relative intensity to those in the spectrum of the reference standard
- UV Spectrum		Absorption maximum at $317 \pm 2$ nm; Specific absorbance in the maximum at 317 nm: 214 to 236, calculated with reference to the dried substance
- TLC		R <sub>f</sub> (sample) = R <sub>f</sub> (standard)
- Melting Point		133 - 136°C under decomposition
Appearance of solution	PKØD031KR00000	
- Clarity		Clear
- Colour		Not more intensely coloured than reference solution Y <sub>5</sub>
pH value	PKØD041KR00000	8.5 - 10.0
Related substances (TLC)	PKØD051KR00000	
- By-products, single		max. 0.5 %
Heavy Metals	PKØD061KR00000	max. 10.0 µg/g
Loss on drying	PKØD071KR00000	max. 0.3 %

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Sulphated ash	PKØD081KR00000	max. 0.2 %
Content of Monoethanol-amine (Potentiometry)	PKØD091KR00000	20.1 - 20.9 %, calculated with reference to the dried substance
Content (Potentiometry)	PKØD101KR00000	98.0 - 101.5 %, calculated with reference to the dried substance

**Product Properties**

Formula:



Solubility: (Ph.Eur.2, USP 23)	Water	Very slightly soluble
	Ethanol	Freely soluble
	Chloroform	Freely soluble
	Ether	Very slightly soluble

pK<sub>a</sub> 7.4

**Storage Directions:** Store below +25°C, protected from light.

Product Code : 105273  
CAS No : 68890-66-4

Version : 2  
Date of Issue : 28.05.2001

This product specification would cease to be binding if the customer has not purchased the product during the preceding 12 months. This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should therefore not be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial rights must be observed. ISO-, EN- and DIN-Standards are published by: Beuth-Verlag, Burggrafenstr. 6, D-10787 Berlin, Germany. They are also available from the National Standard authority of each country. DGF-Standards are published by: Wissenschaftliche Verlagsgesellschaft mbH, Birkenwald Str. 44, D-70191 Stuttgart, Germany. This Product Specification is not signed. If you have any questions, please contact the local Clariant Office or Clariant GmbH, Division Functional Chemicals, Regulatory & Quality Affairs, D-65926 Frankfurt, Germany. email: [fun.rqa@clariant.com](mailto:fun.rqa@clariant.com) \*\*\* Please visit our website <http://fun.clariant.com>

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