



neogroup

PET is nature's
most friendly plastic.
When it comes to
clarity – it's NEOPET.

Pharma neopet is a medical grade copolyester produced by a continuous melt polymerisation process from terephthalic acid and ethylene glycol, followed by solid state polymerisation. The manufacturing process is adjusted to minimize the residual acetaldehyde content below 0.5 ppm. The specially designed composition of the polymer is used to improve the mechanical and barrier properties of the polymer, and this makes it ideal for a wide variety of pharmaceutical and medical applications.

The production plant operates according to the GMP and is accredited with ISO 9001:2000 and ISO 14001:2004 quality standards. The fully automatic production and loading system eliminates human contact with the finished product. Samples are taken continuously during the ongoing production 24/7. They are quickly checked to make sure that the product's properties are up to specifications and that any necessary corrective action can be taken without delay.

Besides operating with state-of-the-art laboratory technology, we support our customers with all-round services. Standard specifications enable you to pass audits, and on request we will carry out additional analyses and tests, update material data sheets, prepare declarations of compliance and issue special certificates.

Property	Value	Test method
Appearance	opaque spherical granules	-
Solubility	insoluble in water, in alcohol, hydrolyzed by strong bases.	
Intrinsic Viscosity (IV)*	0.80 ± 0.02 dl/g	WN-B010-7040 D (Capillary visc.)
Melting Temperature (Tm)	248 ± 4 °C	WN-B010-7089 D (DSC)
Acetaldehyde content (AA)	< 0.5 ppm	WN-B010-9013 D (GC)
Color b	< 0	WN-B010-7136 D (HUNTER Lab)
Dust content	< 50 ppm	WN-B010-9031 D
Water content	< 0.2 %	WN-B010-7159 D
Pellets weight	1.7 ± 0.1 g/100 pellets	WN-B010-9038 D

*Ph/DCB 2 : 3 (w/w), 25°C

NOTES

Pharma neopet resin complies with the requirements established by the 6th edition of the European Pharmacopoeia in chapter 3.1.15, requirements mandatory for Polyethylene terephthalate containers for preparations not for parental use. This declaration is supported by the analytical tests conducted by the centre of analysis.

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Neo Group Medical Disclaimer: It is the responsibility of the medical device or pharmaceutical manufacturer to determine the suitability of all component parts and raw materials, including the Pharma neopet product, used in its final product in order to ensure safety and compliance with the requirements of international regulatory agencies.



A hand is shown from the bottom, cupping a large, glowing, translucent sphere. Inside the sphere, a complex molecular structure is visible, composed of numerous blue and white spheres connected by thin lines. A yellow line graph, resembling a heartbeat or ECG, is overlaid on the molecular structure. A small, solid red heart is positioned on the right side of the graph. The background is a bright blue gradient with various molecular models and glowing spheres scattered throughout.

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plastic for packaging.
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