

## POWEROIL PETROLEUM JELLY 2170E (WHITE SOFT PARAFFIN-EP/BP)

Meets the requirements EP/BP (Current Revision) and US FDA 21 CFR 172.880.

Sr. No.	Test Parameters	Unit	Test Method	Specification		Typical Data
				Min.	Max.	
<b>1.0 CHARACTERS</b>						
1a.	Appearance	-	BP/EP	White or almost white, translucent, soft unctuous mass, slightly fluorescent in daylight when melted.		
1b.	Solubility	-	BP/EP	Practically insoluble in water, slightly soluble in methylene chloride, practically insoluble in ethanol (96%) & in glycerol.		
<b>2.0 IDENTIFICATION</b>						
<b>2a. First Identification: A, B, D</b>						
	A. Drop Point	°C	BP/EP (2.2.17)	50	54	52
	B. Infrared Absorption Spectroscopy	-	BP/EP (2.2.24)	The Infrared absorbance spectrum of the sample conforms to that of the white soft paraffin CRS.		Complies
	D. Appearance	-	BP/EP	The melted mass is not more intensely coloured than a mixture of 1 volume of yellow primary solution & 9 volumes of a 10 g/l solution of hydrochloric acid.		Complies
<b>3.0 TESTS</b>						
3a.	Acidity OR Alkalinity	-	BP/EP	Not more than 0.5 ml of 0.01 M sodium hydroxide is required		Complies
3b.	Consistency at 25°C	-	BP/EP (2.9.9)	160	180	170
3c.	Polycyclic aromatic hydrocarbons	-	BP/EP	At no wavelength in the range 260 nm to 420 nm does the absorbance of the test solution exceed that of the reference solution at 278 nm		Complies
3d.	Sulfated Ash	% wt.	BP/EP (2.4.14)	-	0.05	< 0.01
<b>Additional Test Parameters</b>						
1.	Colour (Lovibond 2" cell)	-	IP 17 A	-	1.0 Y	0.7 Y
2.	Drop Melting Point	°C	ASTM D 127	55	60	58.6
3.	Kinematic Viscosity at 100°C	cSt.	ASTM D 445	5.00	7.00	5.80

**POWEROIL Petroleum Jelly (White Soft Paraffin – BP/EP)** is a high purity BP/EP grade white Petrolatum formulated from mixtures of oily and waxy long-chain, non-polar hydrocarbons obtained from petroleum, and wholly or nearly decolorized.

**Application :** Poweroil Petroleum Jelly is used as an ointment base, protective dressing and soothing applications to skin. It is also used in pharmaceutical, cosmetic, printing ink, leather & rubber industry. The product gel offers excellent barrier to moisture and thus prevent moisture loss from skin. Poweroil Petroleum Jelly is used in formulating various cosmetic and personal care preparations like hair conditioners, hand cleaners, lip balms, massage creams, moisturizing lotions, sun care products and in various pharmaceutical applications such as skin protecting ointments, ophthalmic ointments etc.